

CERCLIS # TXD174127407

DRAFT AFTER ACTION REPORT

For

**Hi-Tech Plating Facility
Balch Springs, Dallas County, Texas**

Prepared for

**EPA - REGION VI
EMERGENCY RESPONSE BRANCH**

**J. Chris Petersen
Deputy Project Officer**

By

**Ecology and Environment, Inc.
Technical Assistance Team**

1 July 1990



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I. SUMMARY OF EVENTS

A. Cause of Incident

The Hi-Tech Plating Facility is an abandoned electroplating facility located at 2017 Peachtree Street in Balch Springs, Dallas County, Texas (Attachment B). The site consists of a metal warehouse building in which fifty four vats and 30 drums containing acidic, caustic, and cyanide wastes are located (Attachment C). The site is readily accessible from Peachtree street. Residences are located adjacent to the west end of the site property and light industry is to the north and south of the property. A local church is located across the street, east of the site.

The site property is owned by Mr. Edwin Brown of Troup, Texas. The property was leased to Mr. Reggie Gist who operated an electroplating facility under the business name , Hi-Tech Plating, until early February of 1990. The Texas Water Commission and RCRA Branch of the EPA had investigated the business for RCRA violations. The local water and sewer district attempted to prevent the operator of the plating facility from discharging the site wastes into the sewer system. When all reasonable attempts failed, the City of Balch Springs water district officials removed the sewer connection from the building to the city main line and disconnected the water supply. After these actions, the site was abandoned by the operator.

The fifty four vats located in the site building contained approximately 72,000 gallons of liquid wastes. A Technical Assistance Team(TAT) investigation conducted during 28 February-2 March 1990 identified some of the vats as containing highly acidic (0 to 2 pH) and caustic (12 to 14 pH) wastes. Some of the vats containing highly acidic wastes and with minimal freeboard were located adjacent to vats containing caustic wastes with no containment measures to prevent possible mixing of the incompatible wastes. Air monitoring conducted by TAT inside the building indicated substantial levels of cyanide (5 to 8 ppm) and acid vapors (3-5 ppm) inside the building.

The Balch Springs Fire Department responded to corrosive material leak from one of the large plating vats, stored on the south end of the building, into a nearby drainage ditch. The fire department officials attempted to control the spill by erecting sand berms around the building, and pouring sand on the spilled material. The bottom portions of the walls of the metal building on both the south and north ends had substantial openings caused by past leaks of corrosive materials. According to fire department officials, some young trespassers have frequently entered the building through these openings.

On 28 February 1990, the EPA Emergency Response Branch (ERB) was notified by an anonymous citizen of the potential threat of corrosive materials leaking from the abandoned electroplating facility. On 1 March 1990, a site assessment was conducted to identify the vat wastes and evaluate the potential for an immediate removal action at the site. TAT measured the approximate volume and the pH of the wastes in each vat, and conducted air monitoring inside the building. Some of the vats were leaking despite previous efforts by the fire department to control the leaks, and thirty partially full drums labeled as containing hydrochloric acid and aluminum etch were located outside the building. The assessment identified the following potential threats to the public health and the environment:

- 1) A substantial and imminent threat to the public health and welfare through direct contact and inhalation routes existed due to the potential mixing of cyanide and acidic wastes producing cyanide vapors, and the present emission of cyanide vapors from the vats;
- 2) The potential mixing of wastes from adjacent acidic and caustic vats would produce a highly exothermic reaction resulting in a substantial threat to nearby residences and businesses;
- 3) The leakage from the vats have caused damage to the drainage pathway, and the potential release indicated by the deteriorating conditions of the larger vats could enter and endanger the Trinity River.

B. Responsible Party Efforts

Mr. Edwin Brown, property owner, was contacted by the Environmental Services Division of the EPA on 2 March 1990 after the completion of the initial site assessment. Mr. Brown agreed to conduct stabilization actions. On 3 March 1990, Mr. Brown conducted initial stabilization actions at the site which included the covering of the vats containing cyanide waste to lessen the emissions of cyanide gas, repairing and securing all leaking vats, moving all drums located outside the building into the interior of the building, and constructing temporary dikes to contain any possible leaks from the building. The actions were conducted by a contractor hired by Mr. Brown. The contractors also repaired a leak from one of the vats that occurred two days later, 5 March 1990. Mr. Brown solicited several bids from contractors to perform the complete site removal/clean-up. On 21 March 1990, Mr. Brown informed the EPA Office of Regional Counsel that he would be unable to afford the cost of a complete site clean-up.

The other identified Potential Responsible Parties, Mr. Reggie Gist, site operator, had not been located, and Mr. George Seale has filed for bankruptcy.

C. Site Location of Contaminants:

The contaminants were contained in fifty four vats and thirty drums located inside the warehouse building. The vats and drums were identified as containing sodium hydroxide, hydrochloric acid, chromium, copper, zinc, and cyanide. Several drums also contained flammable liquids such as toluene, styrene, methyl ethyl ketone, and propenyl benzene. Also, soil (containment sand berms) and debris (wood, PVC pipes, absorbent pads) contaminated with acidic solutions from the leaking vats were located in the warehouse building and near the site entrance.

D. Organization of Response

On 9 March 1990, the Regional Administrator granted verbal approval for a Classic Emergency Response with a ceiling of \$100,000 for extramural cleanup to eliminate the threat from the cyanide, acidic, and caustic releases from the vats located on the site. On 24 May 1990, an Action Memorandum was signed by the Regional Administrator, which approved a project ceiling of \$355,000.

EPA/ERB, TAT, and the Emergency Response Cleanup Services (ERCS) contractor; Reidel-Peterson Environmental Services started the removal action at the site. The Response Manager was Randy Anzalone of the Houston office for the ERCS contractor and the ERCS chemist was Roe Sharma. The EPA On-Scene Coordinators were Patrick Hammack and Charles Fischer. The Project Manager for the TAT contractor, Ecology and Environment, was Henry Liserio. After waste profile samples were taken, the ERCS crew was demobilized on 10 April 1990. The ERCS crew was remobilized after the disposal contractor was selected, with Mike Keene being the new Response Manager for the ERCS contractor.

E. Resources Committed:

The project costs as of 1 July 1990 are as follows:

EXTRAMURAL

Emergency Response Clean-up Services.....\$

Technical Assistance Team.....\$

INTRAMURAL

EPA.....\$

F. Threat Abatement Action

After the initial stabilization actions were taken by the PRP, the ERCS contractor was mobilized to the site on 3 April 1990. On this date, ERCS constructed a sand berm around the downslope portion of the site to prevent any further leaks from migrating offsite(Photo page # 4). During the week of 3-10 April 1990, the

ERCS contractors sampled each of the vats, hazard categorized the samples, consolidated the samples according to the hazcat results, and submitted the consolidated samples to disposal companies for waste profiles (Photo pages # 6-8). Several leaking vats were repaired and the spilled material was cleaned and collected with absorbent pads.

On 29 May 1990, the ERCS crew was remobilized to the site after a disposal subcontractor, EMPAK Services, was selected. The wastes from the leaking and deteriorating vats were consolidated with compatible wastes in centralized vats that were in better condition. After the deteriorating vats were emptied of all liquids by pumping the contents into centralized vats, the emptied vats were triple rinsed, cleaned, dismantled, and transported to a scrap metal disposal facility (Photo pages 21-28). The wastes were segregated into centralized vats according to the following categories; acidic liquids/sludges, caustic liquids/sludges with cyanides, , neutral and wastewater liquids, flammable organic solvents, and soil and debris. Each of the waste categories were transported in separate trucks to the disposal facility. The liquids in the drums were transferred into vats with compatible wastes.

During the removal action, ambient and personnel air monitoring for hydrogen cyanide (HCN) was conducted with the MIRAN Infrared Analyzer and Monitox Detectors to evaluate the potential threat to the personnel and nearby residents of the potential vapors evolving during the removal action (Attachment D).

The waste material was transferred with a pump from the vats into a disposal vacuum truck for transport to the disposal facility(Photo pages # 11-17). Approximately 11,788 gallons of caustic and cyanide wastes; 16,950 gallons of acidic wastes; 11,424 gallons of neutral and wastewater wastes; and 5,479 gallons of caustic sludges were transported to the EMPAK disposal facility for treatment and deep well injection.

The rinsate liquids from the cleaning of the vats and any spills on the floor were collected with a pump and transferred into the last vat for transport to the disposal truck. Each vat was cleaned and triple rinsed, and transferred to the parking lot for removal from the site by the scrap metal vendor. Approximately 220 gallons of organic and flammable liquids were packaged in 55 gallon drums and transported to the disposal facility for incineration (Photo page 21) .

The remaining empty and cleaned containers (55 gallon drums) were cut into smaller pieces or crushed with a backhoe. The cut and crushed containers, the contaminated sand berm, and contaminated solid material (PVC pipes, wood, PPE, and absorbent pads) was transferred into a disposal truck for transport to the Chemical Waste Management facility for landfilling at a permitted Treatment, Disposal, and Storage (TDS) facility (Photo pages 28-30) .

At the conclusion of the removal project, the floors of the warehouse and the parking lot were rinsed completely (Photo pages 30-35). On 14 June 1990, the removal abatement actions were completed.

II. EFFECTIVENESS OF THE REMOVAL

A. Actions Taken By the Responsible Party

The responsible party was able to initially stabilize the immediate threats posed by the site by controlling and repairing the leaks from several of the vats. The threat posed by the evolving cyanide vapors were reduced by covering the cyanide vats with plastic coverings.

B. Local Forces

The Balch Springs Fire Department assisted in the removal by providing emergency communications, water supply , and hoses. The fire department took initial steps in controlling and stopping the leaks of corrosive materials from the building by repairing the leaking vats, sanding the spilled material in the parking lot, and constructing sand berms on the south end of the site to stop any further leaks from entering the drainage ditch.

C. State Forces

The Texas Water Commission provided background information on the site and operator.

D. Federal Agencies and Contractors

The removal action conducted by the EPA/ERB with the ERCS and TAT contractors was able to effectively mitigate the threats of direct contact, inhalation and contact with cyanide compounds, mixing of incompatible wastes which would result in a highly exothermic reaction, and of the wastes migrating to the environment. Approximately 11,788 gallons of caustic and cyanide wastes, 16,950 gallons of acidic wastes, 11,424 gallons of neutral and wastewater wastes, and 5,479 gallons of caustic sludges were transported offsite to the EMPAK disposal facility for treatment and deep well injection.

In addition, all contaminated solid material and cleaned drums were transported offsite for landfill disposal. Approximately two hundred and twenty gallons of flammable material was transported offsite for disposal by incineration.

III. PROBLEMS ENCOUNTERED

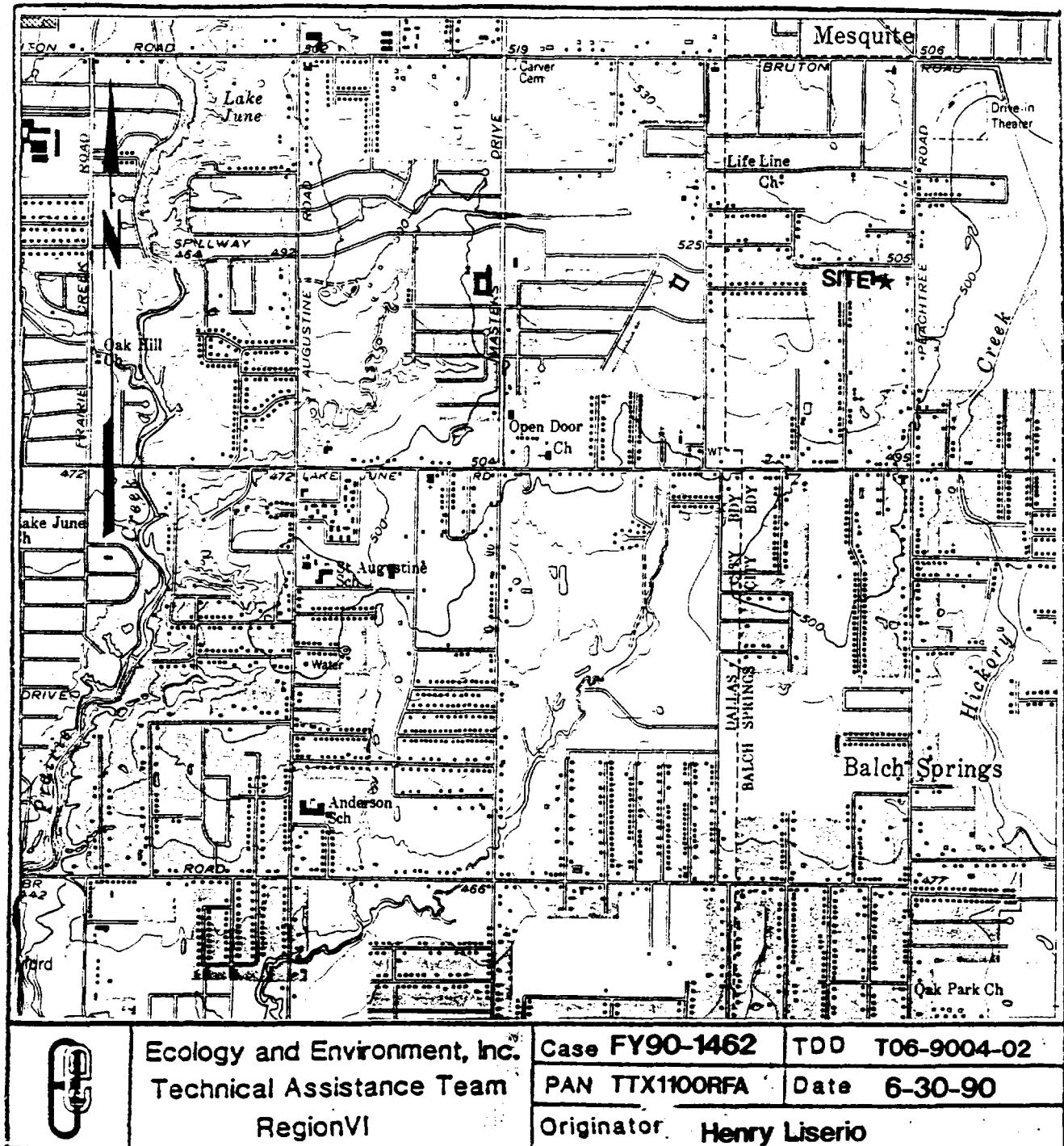
The removal action was classified as a classic emergency. The urgency of the situation did not permit the lengthy studies necessary to evaluate the feasibility of onsite treatment methods for the contaminants. Pre-planning activities were conducted during the initial stages of the on-site response. As

a result, definition of the project scope changed as the site hazards became better defined.

The initial disposal facility selected for the removal based on lowest cost for the transportation and disposal of the site wastes was not utilized due to inability of the the facility to meet the Fair Labor Standards of the ERCS contract. Since this facility could not be utilized, the costs for transportation and disposal of the site wastes to a second facility located farther from the site substantially increase the costs of the removal project. Also, subcontracting the removal actions to a local environmental clean-up company , which would have resulted in substantial savings for the necessary removal actions, was not possible due to the lack of proper training of the the company employees as required in the OSHA standards, 29 CFR Part 1910.120.

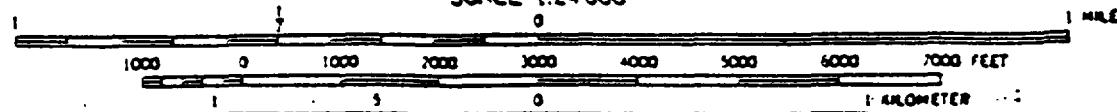
IV. RECOMMENDATIONS

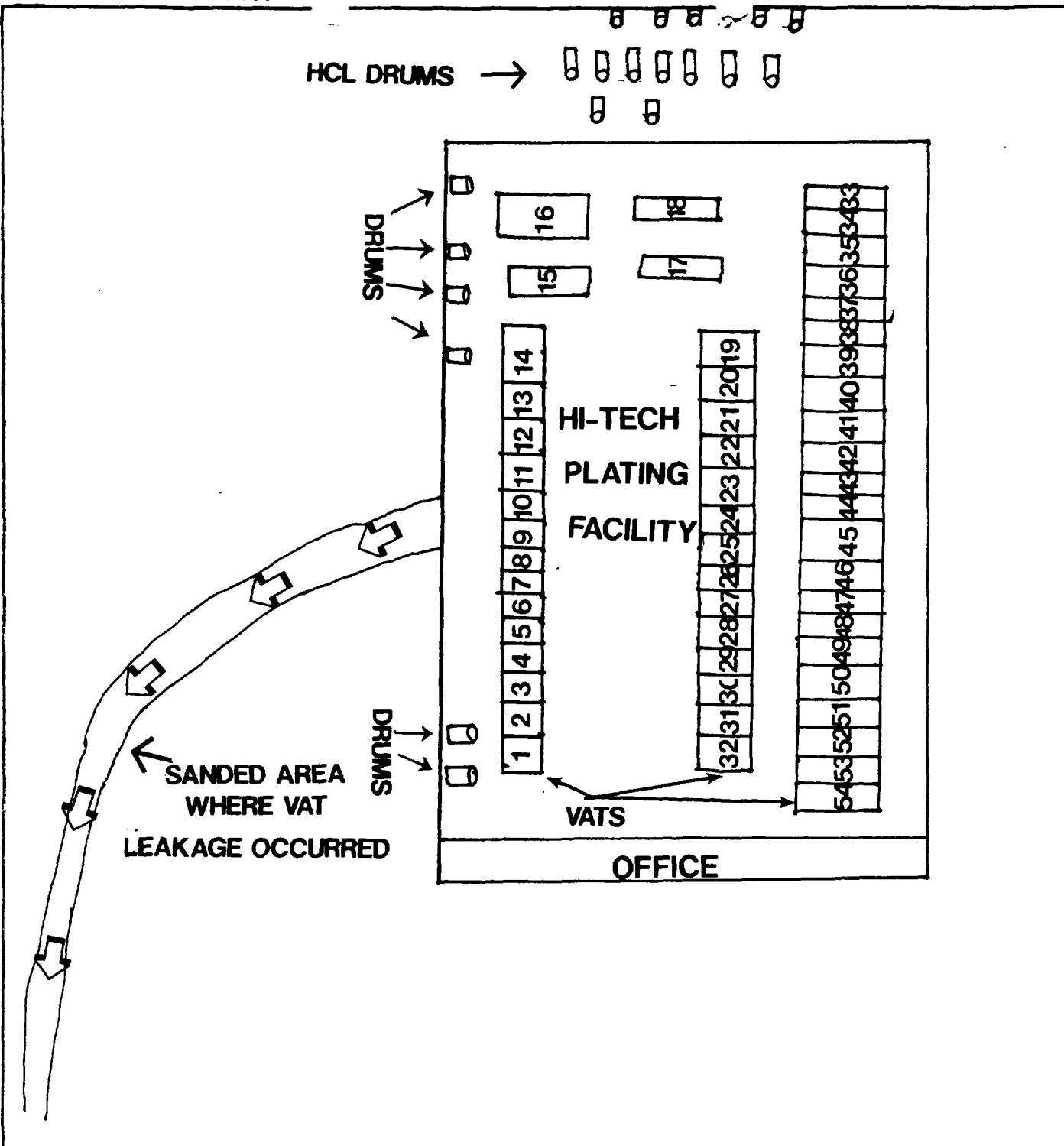
The cyanide in the wastes can be chemically destructed using alkaline chlorination which would result in removal costs savings and provide a more permanent solution to the problems involving the site wastes. The alkaline chlorination systems have proven to be reliable if well maintained and equipped with Oxidation/Reduction Process Control . The application of this treatment technology has been widespread in electroplating facilities.



LOCATION MAP
HI-TECH PLATING
BALCH SPRINGS, DALLAS COUNTY, TEXAS

SCALE 1:24 000





PEACHTREE STREET

**Ecology and Environment, Inc.
Technical Assistance Team
Region VI**

Case:	TDD: T06-900-02
Pan: TTX1100RFA	Date: 6-30-90
Originator: HENRY LISERIO	

**SITE SKETCH
HI-TECH PLATING
BALCH SPRINGS, DALLAS COUNTY, TEXAS**

MIRAN INFRARED ANALYZER AIR MONITORING RESULTS
FOR HCN AT HI-TECH REMOVAL PROJECT

DATE	TIME	HCN READING (ppm)
03-Jun-90	0800	4.6
03-Jun-90	0830	4.3
03-Jun-90	0900	4.0
03-Jun-90	0930	3.0
03-Jun-90	1000	2.9
03-Jun-90	1030	3.4
03-Jun-90	1100	3.7
03-Jun-90	1130	4.3
03-Jun-90	1200	4.4
03-Jun-90	1230	4.3
03-Jun-90	1300	5.0
03-Jun-90	1330	6.6
03-Jun-90	1415	8.3
03-Jun-90	1510	6.3
03-Jun-90	1530	8.6
03-Jun-90	1600	8.9
04-Jun-90	0730	6.0
04-Jun-90	0800	5.8
04-Jun-90	0830	5.5
04-Jun-90	0857	5.7
04-Jun-90	0930	4.6
04-Jun-90	1000	4.8
04-Jun-90	1040	4.6
04-Jun-90	1100	2.9
04-Jun-90	1140	2.6
04-Jun-90	1230	3.3
04-Jun-90	1300	3.8
04-Jun-90	1327	2.7
04-Jun-90	1400	2.8
06-Jun-90	0850	1.3
06-Jun-90	0915	1.0
06-Jun-90	0945	1.4
06-Jun-90	1015	1.3
06-Jun-90	1045	1.2
06-Jun-90	1115	2.6
06-Jun-90	1130	2.4
06-Jun-90	1215	1.2
06-Jun-90	1245	1.3
06-Jun-90	1315	0.2
06-Jun-90	1345	0.1
06-Jun-90	1415	0.0
06-Jun-90	1530	0.0
06-Jun-90	1600	0.0
06-Jun-90	1630	0.0
06-Jun-90	1700	0.0

**MIRAN IFRARED ANALYZER AIR MONITORING RESULTS
FOR HCN AT HI-TECH REMOVAL PROJECT**

DATE	TIME	HCN READING (ppm)
07-Jun-90	1000	3.1
07-Jun-90	1030	2.4
07-Jun-90	1100	2.9
07-Jun-90	1130	2.6
07-Jun-90	1200	2.3
07-Jun-90	1230	3.1
07-Jun-90	1300	2.9
07-Jun-90	1330	2.5
07-Jun-90	1430	2.1
07-Jun-90	1500	1.9
07-Jun-90	1530	1.4
07-Jun-90	1600	1.2
07-Jun-90	1630	1.2
08-Jun-90	0800	0.0
08-Jun-90	0830	0.0
08-Jun-90	0857	0.0
08-Jun-90	0930	0.0
08-Jun-90	1000	0.0
08-Jun-90	1030	0.0
08-Jun-90	1100	0.0
08-Jun-90	1130	0.0
08-Jun-90	1200	0.0
08-Jun-90	1230	0.0
08-Jun-90	1300	0.0
08-Jun-90	1330	0.0
08-Jun-90	1400	0.0
08-Jun-90	1430	0.0
08-Jun-90	1500	0.0
08-Jun-90	1530	0.0
08-Jun-90	1600	0.0
08-Jun-90	1630	0.0
08-Jun-90	1700	0.0
08-Jun-90	1730	0.0
08-Jun-90	1800	0.0
08-Jun-90	1830	0.0
09-Jun-90	1200	0.0
09-Jun-90	1230	0.0
09-Jun-90	1300	0.0
09-Jun-90	1330	0.0
09-Jun-90	1400	0.0
09-Jun-90	1430	0.0
09-Jun-90	1500	0.0
09-Jun-90	1530	0.0
09-Jun-90	1600	0.0

MIRAN IFRARED ANALYZER AIR MONITORING RESULTS
FOR HCN AT HI-TECH REMOVAL PROJECT

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DATE	TIME	HCN READING (ppm)
10-Jun-90	0800	3.7
10-Jun-90	0830	3.2
10-Jun-90	0900	4.1
10-Jun-90	0930	3.3
10-Jun-90	1000	2.7
10-Jun-90	1030	3.8
10-Jun-90	1100	2.9
10-Jun-90	1130	2.4
10-Jun-90	1200	1.8
10-Jun-90	1230	1.2
10-Jun-90	1300	0.5
10-Jun-90	1330	0.5
10-Jun-90	1400	0.0
10-Jun-90	1430	0.0
10-Jun-90	1500	0.0
10-Jun-90	1530	0.0
12-Jun-90	0700	0.0
12-Jun-90	0730	0.0
12-Jun-90	0800	0.0
12-Jun-90	0830	0.0
12-Jun-90	0900	0.0
12-Jun-90	0930	0.0
12-Jun-90	1000	0.0
12-Jun-90	1030	0.0
12-Jun-90	1100	0.0
12-Jun-90	1130	0.0
12-Jun-90	1200	0.0
12-Jun-90	1230	0.0
12-Jun-90	1300	0.0
12-Jun-90	1330	0.0
12-Jun-90	1400	0.0
12-Jun-90	1430	0.0
12-Jun-90	1500	0.0

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TDD#: T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

3-2-90/ 930/ W

Comments: Pan shot of vats near site

entrance (bay doors).





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TDD#: T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

3-2-90/ 935/ S

Comments: Vats suspected of containing cyanide covered with visqueen by site owner's contractors as part of stabilization actions.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

3-2-90/ 1000/ N

Comments: Area where drums were formerly staged by site operator outside of building. Drums were put inside the building as part of initial site stabilization actions by site owner.

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TDD#: T06-9004-02

Photographer / Witness

Kaarlela/ Hammack

Date / Time / Direction

4-04-90/ 1340/ SE to SW.

Comments: Pan shot of vats inside building
before removal actions began. Vats suspected
of containing cyanide were covered with visqueen
to reduce evolving vapors.



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TDD#: T06-9004-02

Photographer / Witness

Kaarlela/ Hammack

Date / Time / Direction

4-4-90/ 1340/ NW

Comments: Pan shot of berm erected by ERCS
to control any potential leaks from vats.





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TDD# T06-9004-02

Photographer / Witness

Beeson / Liserio

Date / Time / Direction

6-2-90 / 845 / W

Comments: Containment berm on north side of building drainage.



Photographer / Witness

Beeson/ Liserio

Date / Time / Direction

6-2-90 / 900 / W

Comments: Berm erected by ERCS to contain spill from leaking vats on south end of building.



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TDD#:T06-9004-02

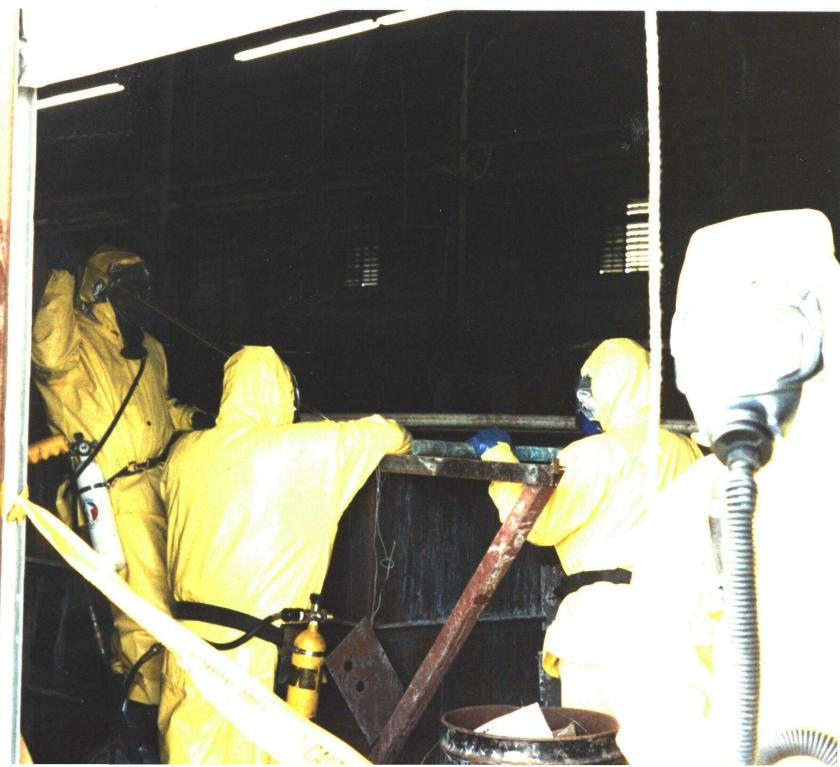
Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

4-6-90/ 1345/ NW

Comments: Decon station erected by ERCS during sampling activities.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

4-6-90/ 1400/ NW

Comments: ERCS taking vat sample for disposal profiling.



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TDD#: T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

4-7-90/ 1440/ NE

Comments: ERCS collecting drum sample with drum theive for disposal profile.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

4-7-90/ 1350/ E

Comments: ERCS personnel deconning from exclusion zone after sampling vats & drums.



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TDD#: T06-9004-02

Photographer / Witness
Liserio/ Hammack

Date / Time / Direction
4-7-90/ 1400/ NW

Comments: ERCS chemist hazcatting vat sample
for disposal profile.

Photographer / Witness
Liserio/ Hammack

Date / Time / Direction
4-7-90/ 1600/ NW

Comments: ERCS chemist taking pH measure-
ment of vat sample.



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TDD#: T06-9004-02

Photographer / Witness
Liserio/ Hammack

Date / Time / Direction
5-31-90/ 1200/ N

Comments: Air bottles used for Level B
work in exclusion zone.



Photographer / Witness
Liserio/ Hammack

Date / Time / Direction
5-31-90/ 1437/ W

Comments: Decon station erected by ERCS
before vat removal commences.



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TDD# : T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

5-31-90/1430/ SW

Comments: Vacuum truck onsite used to transfer site liquid wastes to disposal facility.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

5-31-90/ 1435/ W

Comments: Placards on vac truck before departure to disposal facility.



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TDD#: T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-1-90/ 1300/ W

Comments: Vac truck hose used to pump vat wastes into truck for disposal.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-1-90/ 1305/ SW

Comments: Vac truck used to pump wastes from vat for transport to disposal facility.



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TDD# T06-9004-02

Photographer / Witness

Beeson/ Hammack

Date / Time / Direction
6-2-90/ 1455/ SE

Comments: ERCS pumping vat contents into consolidation vat for preparation of transfer into vacuum truck.



Photographer / Witness

Beeson/ Hammack

Date / Time / Direction
6-2-90/ 840/ N

Comments: ERCS rinsing empty vat for removing vat residue and later disposal as scrap metal.



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TDD#: T06-9004-02

Photographer / Witness

Beeson/ Hammack

Date / Time / Direction

5-31-90/ 1720/ NW

Comments: ERCS pumping cyanide sludge
to vac truck for disposal.



Photographer / Witness

Beeson/ Hammack

Date / Time / Direction

5-4-90/ 840 / W

Comments: ERCS rinsing emty vat for
later disposal as scrap metal.



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TDD# T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-4-90/ 1205/ W

Comments: ERCS crew pumping vat to vac truck and rinsing residue.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-4-90/ 1305/ W

Comments: Crew pumping liquids to vac truck and rinsing after pump completion.



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TDD#: T06-9004-02

Photographer / Witness

Beeson / Hammack

Date / Time / Direction

6-4-90/ 1305/SW

Comments: Crew pumping vat liquids into consolidation vat for easing pumping of liquids into vac truck.



Photographer / Witness

Beeson/ Hammack

Date / Time / Direction

6-2-90/ 845/ N

Comments: ERCS rinsing vats for later scarp metal disposal.



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TDD#: T06-9004-02

Photographer / Witness

Beeson/ Hammack

Date / Time / Direction

6-1-90/ 1310/ SW

Comments: Crew using absorbent material
to contain leak from vat.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-6-90/ 1200/ SW

Comments: Crew exiting EZ after pumping
vats.



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TDD#: T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-7-90/ 1300/ W

Comments: Decon station after crew exited

EZ.

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-10-90/ 900/ SW

Comments: Acid and caustic vac trucks
having liquids from vats being transferred
for disposal.

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TDD#: T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-5-90/ 1710/ SE to SW

Comments: Pan shot of vats before vat
final rinsing.





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TDD# : T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-8-90/ 900/ S

Comments: ERCS crew entering EZ in level
B protection.



Photographer / Witness

Beeson/ Hammack

Date / Time / Direction

6-4-90/1330/ SE

Comments: Sample bottles to be put in vat
wastes for disposal.



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TDD# : T06-9004-02

Photographer / Witness
Liserio/ Hammack

Date / Time / Direction
6-8-90/840/ NW

Comments: Crew rinsing drums to collect
rinsate and pump into vats for disposal.



Photographer / Witness
Liserio/ Hammack

Date / Time / Direction
6-10-90/ 1535/ S

Comments: Crew collecting solidify material
on warehouse floor for incorporation into
site wastes.



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TDD#:T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-11-90/ 1130/ SE

Comments: Pick-up used to transport drums to disposal facility.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-12-90/ 900/ S

Comments: Crew putting debris into vat to consolidate wastes for offsite disposal.



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TDD#:T06-9004-02

Photographer / Witness
Liserio/ Hammack

Date / Time / Direction

6-11-90/ 1755/ SW

Comments: Crew moving vats to parking
lot for scrap metal disposal after vats
were triple rinsed.

Photographer / Witness
Liserio/ Hammack

Date / Time / Direction

6-11-90/ 1800/ SW

Comments: crew moving vats out of warehouse
• in forklift.

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TDD#: T06-9004-02

Photographer / Witness

Hammack/ Liserio

Date / Time / Direction

6-11-90/ 1720/ SE to SW

Comments: Warehouse after initial removal
of vats.



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TDD#: T06-9004-02

Photographer / Witness
Liserio/ Hammack

Date / Time / Direction
6-12-90/ 840/ S

Comments: Floor of warehouse after vat removal.





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TDD#: T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-11-90/ 1810/SW

Comments: Crew moving vats to parking lot with backhoe for scrap metal disposal.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-11-90/ 1755/ SW

Comments: Crew movin cleaned vats with forklift for scrap metal disposal.



Page 26 of 35
TDD# : T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-11-90/ 1150

Comments: Cleaned vats in parking lot
awaiting disposal by scrap metal vendor.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-11-90/ 1200/ S

Comments: Vats cleaned and awaiting
pickup by scrap metal vendor.



Page 27 of 35

TDD# : T06-9004-02

Photographer / Witness
Liserio/ Hammack

Date / Time / Direction

6-11-90/ 1800/ W

Comments: Interior of vats after cleaning
by triple rinsing.

Photographer / Witness
Liserio/ Hammack

Date / Time / Direction

6-12-90/ 840/ W

Comments: Interior of cleaned vats after
rinsing.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-12-90/ 1800/ SW

Comments: Vats in parking lot awaiting pickup by scrap metal vendor.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-12-90/1310/ SW

Comments: Crew piling debris on floor for offsite disposal in truck.



Page 29 of 35

TDD# : T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-12-90/ 1410/ W

Comments: Crew loading site debris into disposal truck.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-12-90/ 1510/W

Comments: Crew loading debris into disposal truck.



Page 30 of 35

TDD# : T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-12-90/ 1255/ SW

Comments: Crew cutting up drums after being triple rinsed for offsite disposal.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-13-90/ 1600/ W

Comments: Crew pumping last vat for transport to disposal facility into vac truck.



Page 31 of 35

TDD# : T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-13-90/ 1620/ W

Comments: Crew rinsing exterior of vat
as it's being removed from the warehouse.



Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-13-90/ 1730/ SW

Comments: Crew rinsing warehouse floor
after all vats are removed.

Page 32 of 35

TDD#: T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-13-90/ 1800/ SW

Comments: Pan shot of warehouse after
all the vats were removed.





Page 33 of 35

TDD# : T06-9004-02

Photographer / Witness
Liserio/Hammack

Date / Time / Direction

6-13-90/ 1730/ SW

Comments: Crew rinsing floor for final
time.



Photographer / Witness
Liserio/ Hammack

Date / Time / Direction

6-13-90/ 1800/ S

Comments: Crew rinsing floor for final
cleanup of site.

Page 34 **of** 35

TDD#: T06-9004-02

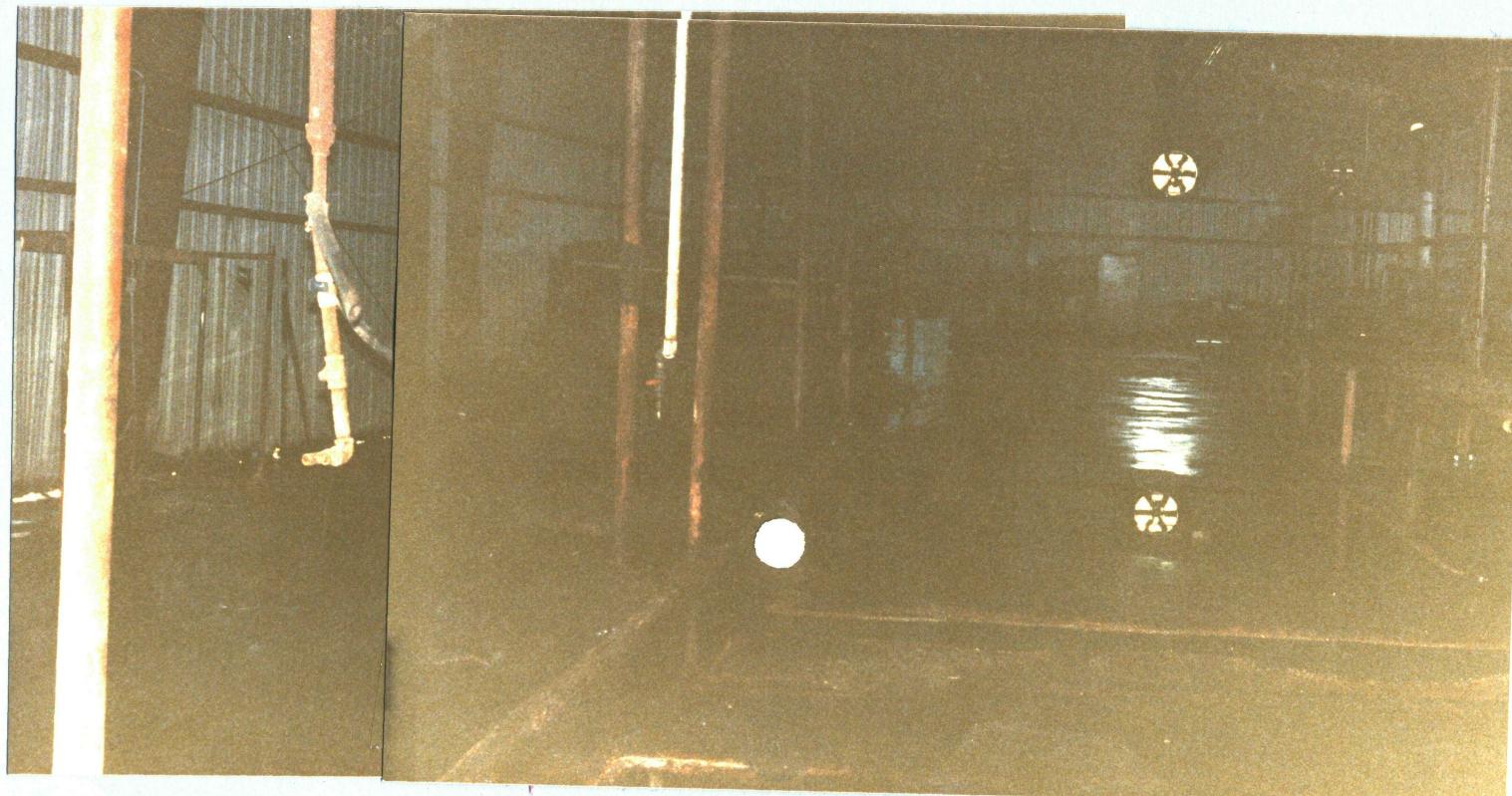
Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-14-90/ 1200/ SW

Comments: Warehouse after the completion of the removal.



Page 35 **of** 35
TDD#: T06-9004-02

Photographer / Witness

Liserio/ Hammack

Date / Time / Direction

6-14-90/ 1800/ S

Comments: Parking lot area after the
completion of the removal action.



To: ERB/REG.VI (EPA9673)
From: ERB/REG.VI (EPA9673) Delivered: Wed 7-Mar-90 14:33 EST Sys
Subject: POLREP # 1 High Tech Plating
POLREP #1

I. Hi-Tech Plating Facility
2017 Peachtree
Balch Springs, TX

Date: 3/7/90
From: Pat Hammack, Region 6-OSC
To: Jim Mullins, Region 6 (6E-EI)
Subject: Hi-Tech Plating Facility
Polrep: POLREP #1

II. BACKGROUND

Response Authority: CERCLA - Classic Emergency Removal
NPL Status: Not applicable

III. INCIDENT INFORMATION

Situation

On March 2, 1990, a site assessment was conducted as a response to an anonymous phone call on February 28, 1990. The assessment at the abandoned High-Tech Plating facility located at 2017 Peachtree, Balch Springs, TX., indicated a need for a Classic Emergency Removal action to stabilize the site.

The site consist of a metal warehouse with 54 vats containing approximately 48,000 gallons of acidic or caustic plating waste. Approximately 35 drums of various hazardous materials including hydrochloric acid and sodium cyanide were located inside as well as outside the building. A pH test of the vats indicated extreme readings from 0 to 14 on the pH scale. Field sample results and monitoring equipment indicated the presence of a cyanide release occurring in the building. The local fire marshal indicated that juvenile trespassers had recently been caught inside the building.

The original phone call to EPA was about an acid spill which had occurred a week before the site assessment visit. Approximately 200 gallons of waste acid ran across the property into a nearby drainage ditch. The spill was contained by the local fire department and contractors contacted by the property owner.

Actions Taken:

A Classic Emergency Removal was initiated after the owner indicated he could not respond by March 3, 1990 as requested by the EPA Enforcement authorities in a phone conversation on March 2, 1990. ERCS was activated to be onsite March 3, 1990, to conduct a stabilization of the site by:

1. placing the drums located outside the building inside;
2. securing the cyanide release;
3. providing site security;
4. securing any leaking vat.

Upon arriving at the site on March 3, 1990, the OSC found that the PRP responded with contractors to conduct the stabilization work as requested. Mr. Edwin Brown, the property owner and PRP, indicated he should receive bid information by March 8, 1990, to conduct the complete clean-up of the site.

The ERCS contractors were demobilized and OSC/TAT monitoring of the PRP's efforts started.

Future Plans:

Monitoring of the situation will continue.

Key Issues:

The main immediate threat to the environment and the public health and welfare was the leaking vats and easy access to the drums located outside the building. The large amounts of strongly acidic and basic materials located adjacent to each other, the poor condition of the vats, and the presence of cyanides in several vats and in the ambient air poses an immediate and substantial threat to the nearby residents and businesses. The stabilization actions taken will only allow a few days before a more substantial complete action will be required.

OSC: Patrick Hammack

TAT: Tom Yank/ Henry Liserio

Status of case: Open

I. HEADING

At: 04/03/90
From: Pat Hammack
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating, Balch Springs, Dallas County, Tx

POLREP: 3

II. BACKGROUND

Site # Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA
NPL Status: non-NPL
Start Date: 04/03/90
Approval Status: Verbal approval by RA 3/09/90.

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats are currently leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a leaking metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

The Time Critical response was initiated using the verbal authority granted by the Regional Administrator to eliminate the threat from the cyanide, acidic and caustic releases at

the site.

Sand was brought to the site to build a protective berm on the downstream side of the building to prevent any further leaks from getting into the local drainage system.

Mobilization on site has started.

Next Steps

An attempt is being made to contact the contractors who made bids to the PRP to conduct the removal at the site. The ERCS contractor will investigate the possibility of sub-contracting the removal and disposal of the liquid waste to one of these contractors. If this is possible and a sub-contract is let, it is expected to be a significant savings to the Fund.

V. COST INFORMATION

Extramural cleanup ceiling was verbally established at \$100,000 of which \$10,000 was obligated during the Classic Emergency response actions. The remaining \$90,000 was issued on the current Delivery Order for the Time Critical response. An Action Memo is being prepared to establish the over all ceiling of the site at \$355,000 of which the ERCS contractor ceiling will be 230,000. Documented cost as of COB 4/3/90 are: \$0.0

Disposition:

respond, one bid as high as it would cost the ERCS contractor, and the last bid a reasonable rate but his employees did not have the necessary training according to regulations.

It has been decided that the ERCS contractor will conduct all necessary work on site.

Analytical results indicate cyanide concentration >600 ppm in five of the eight samples analyzed yesterday. All composite samples will have cyanide concentrations determined prior to disposal.

B. Next Steps

Samples will be taken and HAZCATed to determine the profile for disposal options.

The leaking vats will be secured either by plugging or pumping into empty containers.

The site may be demobilized awaiting the analytical results.

V. COST INFORMATION

Cost as of COB 4/5/90 are approximately \$9,000.

Disposition:

I. HEADING

Uite: 04/05/90
From: Pat Hammack
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating, Balch Springs, Dallas County, Tx

POLREP: 4

II. BACKGROUND

Site # Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: non-NPL
Start Date: 04/03/90
Approval Status: Verbal approval by RA 3/02/90.

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats are currently leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

Mobilization on site continues. Subcontractors were contacted to bid on the removal and disposal of the waste as they had with the PRP. Of the four contractors, two did not

I. HEADING

Date: 05/29/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 1 (Phase Two)

II. BACKGROUND

Site # Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Approval Status: Verbal approval: 3/02/90
Written approval : 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

Remobilization on site was requested by noon on 5/29/90.

The sub-contract for transportation and disposal are being finalized with the expectation of having the first vacuum trucks on site tomorrow.

B. Next Steps

Remove and transport from vats containing percent level cyanide liquids. It is estimated that approximately 10,000 gallons will be shipped to disposal.

Complete contractual obligations with second disposal facility to receive acidic and caustic waste.

Arrange for a disposal facility to accept six drums of organic solvent material.

Clean and dismantle tanks.

Clean floor area of remaining spilled material.

V. COST INFORMATION

Cost as of COB 5/25/90 are approximately \$40,000.

Disposition:

I. HEADING

Date: 05/30/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 2 (Phase Two)

II. BACKGROUND

Site # Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Approval Status: Verbal approval: 3/02/90
Written approval : 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

The sub-contracts for transportation and disposal have not been finalized with both disposal facilities expected to receive the different waste streams generated from the site.

Two vacuum trucks are order expected at the site tomorrow in order to remove the high concentrated cyanide waste.

The ERCS contractor is being encouraged to complete the necessary contractual agreements required to complete the sub-contract for disposal at the second disposal facility.

General cleanup continues on two leaks which occurred since the last mobilization. All contaminated material was caught in the temporary dikes erected during the first emergency mobilization.

B. Next Steps

Remove and transport from vats containing percent level cyanide liquids. It is estimated that approximately 10,000 gallons will be shipped to disposal.

Complete contractual obligations with second disposal facility to receive acidic and caustic waste.

Arrange for a disposal facility to accept six drums of organic solvent material.

Clean and dismantle tanks.

Clean floor area of remaining spilled material.

V. COST INFORMATION

The ERCS crew responding to the latest mobilization does not have the historical RCMS data in order to complete their Daily Work Reports (DWRs). A delay has developed in receiving the necessary paperwork in order to complete the 1900-55s. Approximately \$7,000 were obligated today.

Cost as of COB 5/30/90 are approximately \$47,000.

Disposition:

I. HEADING

Date: 05/31/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 3 (Phase Two)

II. BACKGROUND

Site # Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Remobilization Date: 05/29/90 (Phase Two)
Approval Status: Verbal approval: 3/02/90
Written approval : 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

The sub-contract for transportation and disposal to the second disposal facility was not signed because the facility did not meet the standards of fair labor set forth in the

ERCS contract.

Additional profiles were taken and sent to a facility that took the concentrated cyanide waste. The projected cost to the project will be significantly higher due to the increased distance from the site. The first disposal facility is in Houston while the second was to be in East Texas which was much closer to Dallas. It is expected to take an additional four working days from Friday, June 1, 1990 to obtain the approval on the profiles sent to the disposal facility today.

Two vacuum trucks removed approximately 7,000 gallons of the concentrated cyanide waste and transported in to the EMPAK disposal well in Houston, Tx. Due to the concentration of cyanide in this liquid the cost for disposal was \$2.25/gallon.

General cleanup continues.

B. Next Steps

Complete contractual obligations with original disposal facility to receive acidic and caustic waste.

Arrange for a disposal facility to accept six drums of organic solvent material.

Consolidate liquids from partially full tanks to facilitate the cleaning of more than half of the tanks while the disposal contract is being finalized.

Clean and dismantle tanks.

Clean floor area of remaining spilled material.

V. COST INFORMATION

The ERCS crew responding to the latest mobilization does not have the historical RCMS data in order to complete their Daily Work Reports (DWRs). A delay continues in receiving the necessary paperwork in order to complete the 1900-55s. Approximately \$27,000 were obligated today.

Cost as of COB 5/31/90 are approximately \$74,000.

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Disposition:

I. HEADING

Date: 06/01/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 4 (Phase Two)

II. BACKGROUND

Site #: Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Remobilization Date: 05/29/90 (Phase Two)
Approval Status: Verbal approval: 3/02/90
Written approval: 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRF arrived on site with contractors to conduct the necessary work. The PRF was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

General vat cleanup continues.

Consolidation of liquids has started freeing up vats to been triple rinsed and removed from the contaminated area.

Another leak occurred today causing approximately 200 gallons of caustic solution ($\text{pH} > 12$) to be released into the containment area. This leak made all other operations halt until it was secured and the spilled material was pumped into a non-leaking tank of similar liquids. During the leak, cyanide concentrations monitored in the warehouse were near 9.0 ppm. A concentration of 10 ppm would cause the crew to pull out until the release subsided in accordance with the site safety plan.

B. Next Steps

Complete contractual obligations with original disposal facility to receive acidic and caustic waste.

Arrange for a disposal facility to accept six drums of organic solvent material.

- Continue to consolidate liquids from partially full tanks to facilitate the cleaning of more than half of the tanks while the disposal contract is being finalized.

Clean and dismantle tanks.

Clean floor area of remaining contaminated material.

V. COST INFORMATION

The ERCS crew responding to the latest mobilization does not have the historical RCMS data in order to complete their Daily Work Reports (DWRs). A delay continues in receiving the necessary paperwork in order to complete the 1900-55s. The site information is being added to the contractors records to allow for the generation of the 1900-55s. This will cause all equipment counters to be different than what is being generated by the contractor. The 1900-55s will be caught up by tomorrow.

An additional \$100,000 was added to the ERCS ceiling today. This brings the ERCS ceiling to \$190,000.

Approximately \$8,000 were obligated today.

Cost as of COB 6/01/90 are approximately \$82,000.

Disposition:

I. HEADING

Date: 06/02/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 5 (Phase Two)

II. BACKGROUND

Site # Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Remobilization Date: 05/29/90 (Phase Two)
Approval Status: Verbal approval: 3/02/90
Written approval: 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

General vat cleanup continues.

Consolidation of liquids has started freeing up vats to
been triple rinsed and removed from the contaminated area.

A fourth leak occurred today causing approximately 100
gallons of an acidic solution ($\text{pH} < 1$) to be released into
the containment area. This leak made all other operations
halt until it was secured and the spilled material was
pumped into a non-leaking tank of similar liquids.

B. Next Steps

Complete contractual obligations with original disposal
facility to receive acidic and caustic waste.

Continue to consolidate liquids from partially full tanks to
facilitate the cleaning of more than half of the tanks while
the disposal contract is being finalized.

Clean and dismantle tanks.

Clean floor area of remaining contaminated material.

V. COST INFORMATION

Cost as of COB 6/01/90 are \$60689.80.
Additional committed funds are \$39,710.67

Disposition:

I. HEADING

Date: 06/05/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 6 (Phase Two)

II. BACKGROUND

Site # Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Remobilization Date: 05/29/90 (Phase Two)
Approval Status: Verbal approval: 3/02/90
Written approval: 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

General vat cleanup continues.

Consolidation of liquids is freeing up vats to be triple rinsed and removed from the contaminated area.

B. Next Steps

Complete contractual obligations with original disposal facility to receive acidic and caustic waste.

Complete contractual agreements with the transportation company to move the waste to the disposal facility in Houston.

Continue to consolidate liquids from partially full tanks to facilitate the cleaning of more than half of the tanks while the contracts are being finalized.

Clean and dismantle tanks.

Clean floor area of remaining contaminated material.

V. COST INFORMATION

Cost as of COB 6/04/90 are \$69604.59.

Additional committed funds are \$41823.67.

Obligated funds \$190,000.

Balance \$78,571.83.

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Disposition:

I. HEADING

Date: 06/06/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 7 (Phase Two)

II. BACKGROUND

Site # Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Remobilization Date: 05/29/90 (Phase Two)
Approval Status: Verbal approval: 3/02/90
Written approval: 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRF arrived on site with contractors to conduct the necessary work. The PRF was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

General vat cleanup continues. Approximately half of the vats have been tripled rinsed and are ready for removal from

the building to allow for the cleaning of the floor. This task will have to wait until more disposal is accomplished because of the physical location of the empty tanks to the full ones will not allow any tanks to be taken from the building.

Continued consolidation of liquids is freeing up vats to be triple rinsed and removed from the contaminated area.

Reconstruction of the containment berm area was necessary to prevent future possible leaks from leaving the containment area.

Contracts with disposal and transportation companies have been completed.

B. Next Steps

Transport and dispose of remaining waste materials.

Clean, triple rinse and dismantle tanks.

Clean floor area of remaining contaminated material.

V. COST INFORMATION

Cost as of COB 6/05/90 are \$81,067.28.

Additional committed funds are \$35,115.95.

Obligated funds \$190,000.

Balance \$73,816.77. An additional \$84,000 of contingency money has been requested.

Disposition:

I. HEADING

Date: 06/08/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 8 (Phase Two)

II. BACKGROUND

Site #: Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Remobilization Date: 05/29/90 (Phase Two)
Approval Status: Verbal approval: 3/02/90
Written approval: 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

General vat cleanup continues.

Approximately 25,000 gallons of waste have been shipped to the disposal facility. All remaining waste will be shipped by Sunday.

Vats are being triple rinsed and removed from the building to be sent to a scrap metal yard for disposal.

B. Next Steps

Transport and dispose of remaining waste materials.

Clean, triple rinse and dismantle tanks.

Clean floor area of remaining contaminated material.

V. COST INFORMATION

Cost as of COB 6/07/90 are \$91,291.99.
Additional committed funds are \$51,645.95.
Ceiling increase 6/8/90 = \$84,000
Obligated funds \$274,000.
Balance \$131,062.06.

Disposition:

I. HEADING

Date: 06/09/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 9 (Phase Two)

II. BACKGROUND

Site #: Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Remobilization Date: 05/29/90 (Phase Two)
Approval Status: Verbal approval: 3/02/90
Written approvals: 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

General vat cleanup continues.

Vats are being triple rinsed and removed from the building to be sent to a "crap metal yard for disposal."

Approximately 4400 gallons of acidic liquids were shipped to disposal.

Four thousand gallons of caustic sludges were transported.

B. Next Steps

Transport and dispose of remaining waste materials.

Clean, triple rinse and dismantle tanks.

Clean floor area of remaining contaminated material.

V. COST INFORMATION

Cost as of COB 6/09/90 are \$104,460.49.

Additional committed funds are \$128,614.08.

Obligated funds \$274,000.

Balance \$40,925.43.

Disposition:

I. HEADING

Date: 06/10/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 10 (Phase Two)

II. BACKGROUND

Site # Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Remobilization Date: 05/29/90 (Phase Two)
Approval Status: Verbal approval: 3/02/90
Written approval: 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

General vat cleanup continues.

Vats are being triple rinsed and removed from the building to be sent to a scrap metal yard for disposal.

The remaining 8000 gallons of acidic waste were shipped today.

The remaining 4000 gallons of caustic sludge was removed and transported.

B. Next Steps

Transport and dispose of remaining solid waste materials.

Clean, triple rinse and dismantle tanks.

Clean floor area of remaining contaminated material.

V. COST INFORMATION

Committed costs for disposal were estimated at the maximum amount possible for a full truck load. Due to the differing weights of the wastestreams, the actual gallonage was different than the committed allotment. The amounts were received from the disposal company and those numbers were used to determine the committed funds.

The project is at 83% of the ERCS ceiling with approximately two days of labor remaining. All transportation and disposal costs have been included in the committed funds. The only additional charges expected to the account will be labor, per diem, and some ate cost materials. The daily total is not expected to exceed \$7,000/day.

An additional \$10,000 will be added to committed funds to cover any unforeseen surcharges, lab test or profiling fees for the disposal company.

Cost as of COB 6/10/90 are \$109,932.09.
Additional committed funds are \$115,925.52.
Obligated funds \$274,000.
Balance \$48,142.39.

Disposition:

I. HEADING

Date: 06/11/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 11 (Phase Two)

II. BACKGROUND

Site # Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Remobilization Date: 05/29/90 (Phase Two)
Approval Status: Verbal approval: 3/02/90
Written approvals: 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

General vat cleanup continues.

Vats are being triple rinsed and removed from the building to be sent to a scrap metal yard for disposal.

Four drums of waste materials were sent to disposal today. These drums contained either flammable liquids or highly concentrated acids and caustics which prevented them from being bulked with the rest of the material.

B. Next Steps

Transport and dispose of remaining solid waste materials.

Clean, triple rinse and dismantle tanks.

Clean floor area of remaining contaminated material.

V. COST INFORMATION

An additional \$5,000 was added to committed funds to cover any unforeseen surcharges, lab test or profiling fees for the disposal company. The projected cost for disposing of the contaminated solid materials was added to the todays 1900-55.

Cost as of COB 6/11/90 are \$116,117.08.
Additional committed funds are \$121,715.14.
Obligated funds \$274,000.
Balance \$36,167.78.

Disposition:

Disposition:

I. HEADING

Date: 06/12/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 12 (Phase Two)

II. BACKGROUND

Site # Y7

D.O. No.: 7334-06-063

Response Authority: CERCLA: Time Critical Removal Action

NPL Status: NON-NPL

Initial Start Date: 04/03/90

Demobilization Date: 04/10/90

Remobilization Date: 05/29/90 (Phase Two)

Approval Status: Verbal approval: 3/02/90

Written approval: 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

General vat cleanup continues. One row of twenty-two vats remain to be triple rinsed and removed from the building.

Vats are being triple rinsed and removed from the building
to be sent to a scrap metal yard for disposal.

A truck of contaminated debris was sent to the Chem Waste in
Carlyss, La.

B. Next Steps

Give floor area a final rinse.

Transport and dispose of one last remaining vat of
waste/wash water.

Demobilize site.

V. COST INFORMATION

Cost as of COB 6/12/90 are \$123,041.43.
Additional committed funds are \$127,314.59.
Obligated funds \$274,000.
Balance \$23,643.98.

Disposition:

I. HEADING

Date: 06/13/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 13 (Phase Two)

II. BACKGROUND

Site #: Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Remobilization Date: 05/29/90 (Phase Two)
Approval Status: Verbal approval: 3/02/90
Written approval: 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

General vat cleanup completed today. One empty, triple rinsed vat left on site containing uncontaminated site

debris.

Floor area was cleaned of all contaminated material.

Contaminated solid waste material was transported to disposal in Louisiana.

Final truck of waste water removed to disposal in Houston.

B. Next Steps

Final rinse of floor area to remove dirt and mud.

Demobilize.

V. COST INFORMATION

Cost as of COB 6/13/90 are approximately \$129,000.

Additional committed funds are approximately \$130,000.

Obligated funds \$274,000.

Approximate balance \$15,000.

Disposition:

I. HEADING

Date: 06/14/90
From: Pat Hammack, Senior OSC
To: Emergency Response Branch (6E-E)
Subject: High Tech Plating II, Balch Springs, Dallas County,
Texas.

POLREP: 14 (Phase Two)

II. BACKGROUND

Site # Y7
D.O. No.: 7334-06-063
Response Authority: CERCLA: Time Critical Removal Action
NPL Status: NON-NPL
Initial Start Date: 04/03/90
Demobilization Date: 04/10/90
Remobilization Date: 05/29/90 (Phase Two)
2nd Demobilization/Completion Date: 06/14/90
Approval Status: Verbal approval: 3/02/90
Written approval: 05/24/90

III. INCIDENT INFORMATION

A. Type of Incident

The High Tech Plating site is an abandoned electro-plating facility consisting of fifty-four vats containing approximately 72,000 gallons of acidic, caustic and cyanide waste. An addition 31 drums of acidic and caustic waste are located on site. A site assessment in response to an anonymous phone call, indicated that many of the vats were leaking. A Classic Emergency Response was started and canceled when the PRP arrived on site with contractors to conduct the necessary work. The PRP was to obtain bids in order to complete the clean-up, however, the cost of clean-up was more than he could afford and his response actions stopped.

B. Preliminary Assessment

A preliminary assessment identified the above materials and indicated the need to conduct the removal action.

C. Situation

The site consists of the above mentioned materials in a metal building. A cyanide release has been verified and the vats continue leak. Stabilization actions cannot keep up with the leaks. The Classic Emergency response stopped the major release and relocated all drums to the interior of the building for security.

IV. RESPONSE INFORMATION

A. Status of Actions

Final floor rinse completed.

Site demobilized at 1200 hours.

B. Next Steps

Complete After-Action OSC Report.

V. COST INFORMATION

Cost as of COB 6/13/90 are approximately \$135,000.
Additional committed funds are approximately \$130,000.
Obligated funds \$274,000.
Approximate balance \$9,000.

All bills waiting are estimated at the projected high side of any range of bids. This should enable the remaining \$9,000 to be used in after site cost documentation. There is expected to be enough funds remaining to cover all contingencies without exceeding the ERCS ceiling.

Disposition:

Henry Lizerio
Print Originator's Name
Ecology and Environment, Inc

RECORD OF COMMUNICATION

Conversation with:

Name Pat Hammack

Address EPA - Dallas

Phone 214 - 655-2222

(Area Code) (Number)

Date 3 / 2 / 90
(Mo) (Day) (Year)

Time 9:30 AM/PM

[] Originator Placed Call

Originator Received Call

TDD# 06-9004-02 PAN# TTX1100 RFA

Subject Stabilization actions at Hi-tech Plating

Discussion: OSC Hammack informed TAT that an emergency removal will be conducted at Hi-tech Plating facility.
TAT to be at site to assist in hazard sampling.
ERCS to be mobilized for site on 3-3-90 in a.m.
Drums to be moved inside building.

Follow-Up-Action:

Originator's Signature: Henry Lizerio

(RWG 6/90)

Henry Liseio
Print Originator's Name
Ecology and Environment, Inc

RECORD OF COMMUNICATION

Conversation with:

Name Roc Shanna

Address Balch Springs, TX

Phone 214 - 288-6168

(Area Code) (Number)

Date 4 / 10 / 90
(Mo) (Day) (Year)

Time 1030 AM/PM

[] Originator Placed Call

Originator Received Call

TDD# 06-9004-02 PAN# TTX1100RFA

Subject Sampling for disposal at Hi-Tech Plating

Discussion: ERCS chemist, Roc Shanna, requested that sampling supplies (drum tongs) and plastic bottles be furnished to conduct bartaining of wat samples.

Follow-Up-Action:

Originator's Signature: Joly Liseio

Henry Lisenis
Print Originator's Name
Ecology and Environment, Inc

RECORD OF COMMUNICATION

Conversation with:

Name Harry Robinson

Address Foxboro
Edison, NJ

Phone 201 - 853-1616

(Area Code) (Number)

Subject Miran datalogger

Date 6 / 1 / 90
(Mo) (Day) (Year)

Time 10:30 AM/PM

- Originator Placed Call
 Originator Received Call

TDD# 06-9004-02 PAN# TTX 1100RFA

Discussion: According to rep, need to calibrate datalogger using "define" for first point which is 0.0 V = 0.0 ppm, and use "sense" for second point, where ? V = ? ppm, depending on instrument reading in ambient air.

Follow-Up-Action:

Originator's Signature: Henry Lisenis

E & E Job Number _____

Telephone Code Number _____

Site Name Hi-Tech Plating
2017 Peachtree

State/City Balch Springs, TX

TDD 06-9004-02

PAN TTX 1100 RFA

SSID _____

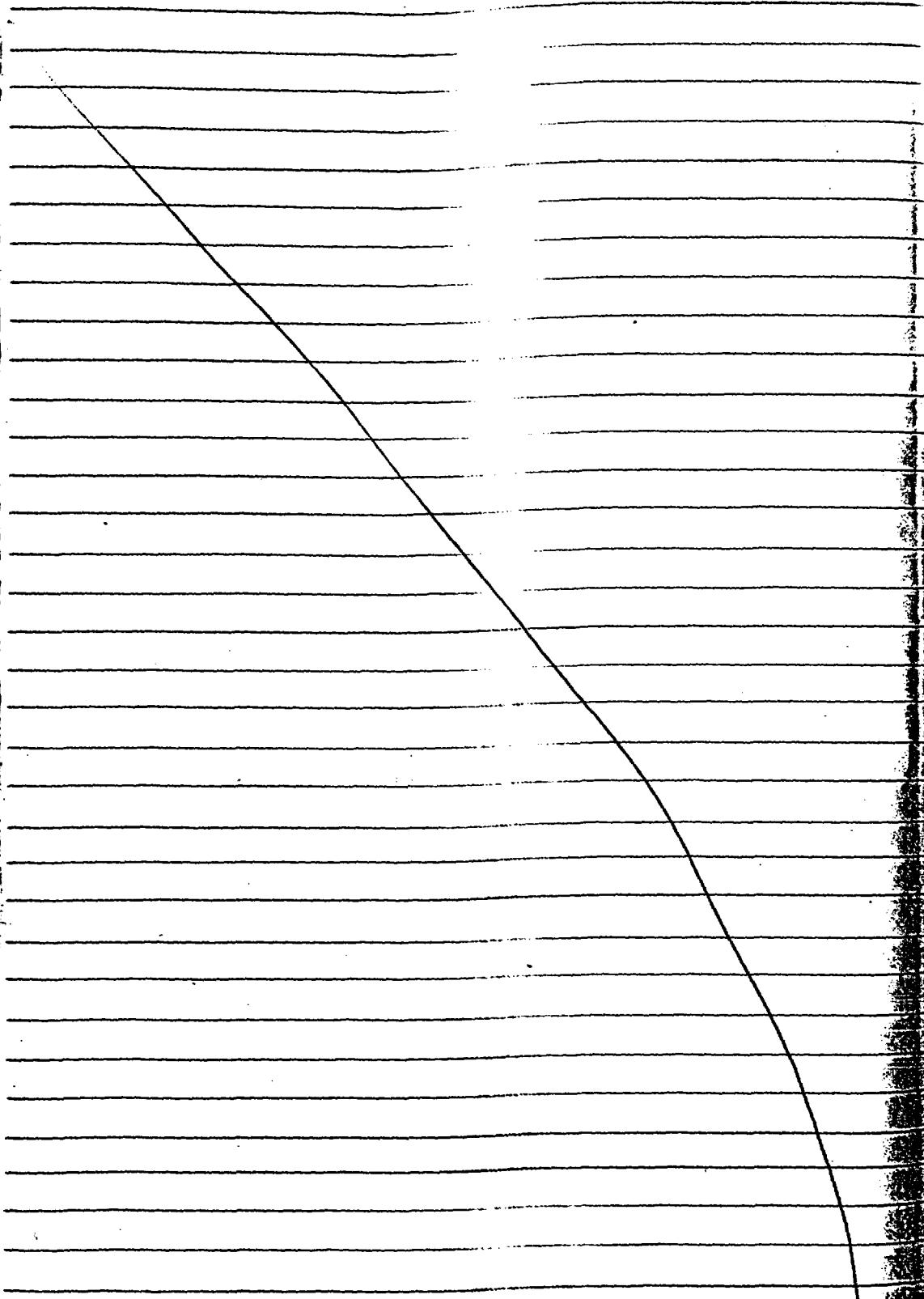
Start/Finish Date 4-2-90 / 6-11-90

Book 1 of 2

E & E Emergency Response Center: (716) 684-8940

F7T0700152

2



CC
Recyc

4-2-90 High-Tech Plating

1620 Met with OSC - Hammack, RM - Anzalone and TAT - Kaarlela to discuss site plans. Site has vats and some drums. Vats have various acidic, caustic solutions. Some vats are leaking & vats have cyanide emissions. PRP began cleanup at site but funds prohibited entire cleanup. Work through Sat. Sun. off.

⁴
4-3-90 High Tech Plating

0700 TAT departs home

0740 TAT, OSC at site

0805 Fire Marshall arrives site (Bob Grant)

0815 Riedel - Anzalone, Sharma on site

TAT objectives - photodocumentation, log books other
jobs as directed by OSC

Weather - light wind 55°F sunny.

0820 Riedel, OSC, Fire Marshall make brief walkthrough of
site to determine present condition

0830 discussed possible subcontractors - Em-Tech, American
Spill Control, Hawk Transport, Dallas Environmental
Services.

0915 Riedel - Mark Lischeck on site to discuss safety
issues

0940 Fire Marshall departs site after leaving copy of
key to front door.

0950 Fire chief Paul Williams arrived at site to
discuss water capability which will be run
from Hydrant to facility via a plitter for 2
separate lines on site. 1 general hose and one
enq. shower.

1005 Fire chief off site

1040 reviewed previous logbook entries on previous visitors

1055 OSC, RM, TAT depart site for equipment/lunch

1315 TAT, OSC, RM return to site

1340 photos - see p. 7

1400 OSC requested TAT to attempt to obtain generic OSSP
Representative from Dallas Environmental met with OSC
concerning possible work.

1420 Representative from Lake June Scrap Metals on-site to
inform OSC of possible interest in vats after removal.

Mark Lischeck

4-3-98 cont. High Tech Plating

1445 Dallas Env. Rep departs site

1515 Fire Marshall arrives at site, departs after brief meeting w/ OSC.

1540 OSC departs site for office

1610 TAT, ECOS departs site

1650 TAT arrives home End of Day

6

4-4-90 High-Tech Plating

0800 TAT, ERCS, OSC arrive on-site ~~TAT-Kaurlela, OSC-Hannack,
ERCS-Anzalone, Liebcheck, Sharma~~ ^{work} Weather - light wind, clear
60°F. ERCS crew - Anzalone, Liebcheck, Sharma, Brinkmeyer, Hill, Caballero
0845 pictures see p.7

0900 dragger screening in office area EM򔚹 general acid
tube N=1 no change cyanide tube N=10 no change

0910 TAT contacted office to get TATs for Level B sampling of vats
at OSC request. TATs will prepare and arrive later in day
0945 Aluminum Desmut

0950 Marshall Weaver-Gibralter met with OSC/RM to discuss possible
disposal of vat and drum wastes.

1000 Emtech reps met with OSC/RM

1045 Emtech off-site

1130 Gibralter offsite

1215 review of previous pH, cyanide dragger and mirror
readings from vats by TAT, ERCS chemists selected
likely vats to contain cyanide which were (vats #25,
26, 40, 44, 48, 49, 47, 53)

1225 Mark LaRue, Audrey Fitzsimmons on site for Level B sampling

1300 TAT in Hot zone to collect vat samples

1345 TAT out of Hot zone Samples collected
vat # 24, 25, 40, 44, 47, 48, 53, 54

1430 samples tagged, decontaminated and chain of custody signed
over to ERCS

1445 TAT Lunch

1515 return from lunch

LE. 1245 safety meeting with TAT members Kaurlela,
Fitzsimmons, LaRue Topics discussed: slip, trip,
fall, heat stress, overhead obstructions Meeting
given by Kaurlela / Mark LaRue, Audrey Fitzsimmons

- 1545 TAT's Fitzsimmons, LaRue depart site

- 1615 pictures see p.7

Mark LaRue

10/11 - 29

Camera - NIKON #724887 Lens - 50mm 1.8 Nikon

7

	Dir.	time	Photographer	Description
10/11	N	1340	Kaarlela	Pan of Facility with load of sand/berm
10/11	NW	0845	Kaarlela	Pan of warehouse showing vats
10/11	N	1615	Kaarlela	Pan of facility crew laying disagreeable berm N of facility in drainage
10/11	W	1055	Kaarlela	Decon station on west end of bldg-
10/11	N	1140	Lisario	ERCS taking vat sample with thives
10/11	NW	1345	Lisario	Hazcut vent hood set up by ERCS-
10/11	N	1230	Lisario	ERCS taking vat sample with thives
10/11	E	1350	Lisario	ERCS documenting from E Z -
10/11	NE	1400	" "	ERCS conducting layout of vat samples under road.
10/11	NW	1400	" "	" " and taking ptt -
10/11	NE	1440	" "	ERCS taking vat sample -
10/11	NE	1440	" "	Bad photo
10/11	NE	1445	" "	ERCS taking draw sample with thives
10/11	S	1435	" "	Vac truck #2 before depository
10/11	W	1437	" "	Break shed by site entry
10/11	SW	1438	" "	Placards on vac truck #2
10/11	NE	1720	Beeson	ERCS pumping Cyanide sludge into vat #1
10/11	NE	1720	Beeson	ERCS combining new samples for disposal canons
10/11	W	0845	Beeson	ERCS lifting vat to aid in pumping sludge
10/11	W	0945	Beeson	as above
10/11	W	1300	"	ERCS pumping sludge from vats
10/11	W	1300	"	as above
10/11	SW	1310	"	Material leaking out of vat #24 .
10/11	W	1310	"	ERCS adding powersorb to leaked material.
10/11	N	0845	Beeson	Pan of South side of building
10/11	E	0845	"	South side containment berms
10/11	N	0845	"	Acidic leak contained in berms
10/11	W	0845	"	decon area
10/11	N	0805	Beeson	ERCS preparing PPE for exclusion zone entry
10/11	W	0840	"	ERCS personnel rinsing empty vat
-	-	-	-	Photo log continued on pg. 31 D/B

8

4-4-90 Cont. High Tech Plating

06-9004-02

1620 ERCS tasks working on berm on southern portion
of site.

1645 Work completed 8 vat samples collected
for lab analysis for cyanide, berm/visqueen around
southern portion of site, work on subcontractor
contracts

1700 TAT, ERCS, OSC depart site

1745 MT arrives home

4-5-90 High Tech Plating

06-9004-02

9

0800 TAT, ERCS, OSC on site Crew T+T-Kaarkla, ERCS -
Azzalone, Liebeck, Sharma, Brinkmeyer, Hill, Caballero, OSC-Hannan
Weather conditions 60°F, clear, mod. South winds

0820 Fire Marshall on site to discuss water requirements for future
work

0915 ERCS Techs constructing berm across drainage pathway on
^{AWK} ~~south~~ Northeast corner of facility

0925 discussion between OSC, RM determined technicians will
depart today. Remainder of Tech work will be determined
as work progresses.

1055 pictures p7

1115 TAT made visual inspection around perimeter of facility.
No present leaks occurring/migrating off-site.

1200 Entech on site to submit bid on services

1230 Entech off-site

LE 1200 ERCS Hill Caballero off-site

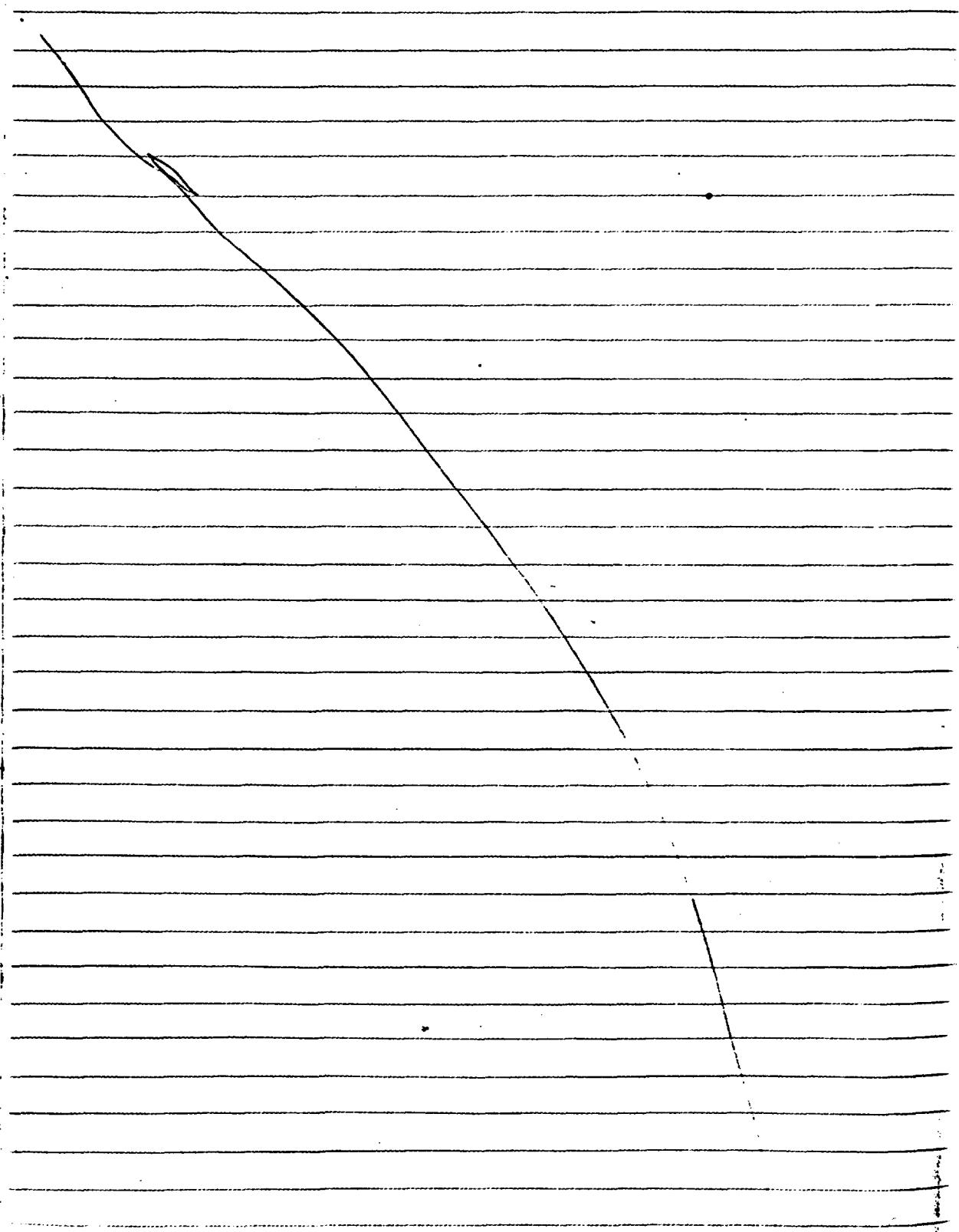
1400 Meeting between Dallas Env. Ser. and OSC, RM, TAT
about possible subcontract for services. After asking
about 40 hour training, D.E.S. informed that employees
are not trained until possibly May 40.

1430 OSC to office

1600 OSC return to site

1730 ^{AWK} TAT, OSC, ERCS depart site

10



4-6-90, Friday Hi-Tech Plating T06-9004-02

715- Liserio arrives at warehouse to pick subcontract. Departure

0800 ERCS, TAT, OSC on site ERCS - Kazalow, Liebeck, Sharrer,
Hill, Caballero, Fenton, Brinkmeyer TAT - Kaarlela, Liserio,
OSC - Hammack, Fisher Weather cold 40°F raining
gusty winds

0830 combined safety meeting Topics discussed - cyanide gas is
a major concern acid splash also. APR cart will not filter
cyanide gas out. Level B used. Caution when using thiefbs
to collect vat samples. Beware of possible walkway degradation.

0900 ERCS organizing for planned vat sampling

0930 - Call office to deliver supplies, monitoring
equipment, sampling equipment (drum thieves, jars,
MIRAN analyzer)

1115- M. Larken called and informed TAT his crew that
medium sized drum thieves are unavailable -
will bring "koloway" drum thieves and capillary
tube thieves -

1145- B. Marguerio arrives at site with supplies
(sampling jars, MIRAN-1B, drum thieves)

1215- TAT, ERCS, and OSC depart site for lunch

1245- TAT, ERCS, and OSC return back from lunch

1300- TAT Kaarlela departs site for office.

1330- ERCS (Caballero, Hill, Hicks, and Tosten) enter
EZ to sample vats for waste profile. Samples
will be collected with drum thieves and put
into polyethylene half-liter bottles. Crew
entering in Level B with PVC rain-suits
nitrile outer and inner gloves, PVC boots

1530- Crew exits EZ. Twenty five samples
were taken by ERCS from different vats
#1-24 (excluding #b, and 15-18) and
#49-54 vats -

1600- Crew reenters EZ to continue sampling
New lines

12

4-6-90

Hi-Tech Plating

06-9004-02

the vats for laboratory profile -

1745- Crew exits EZ for the day -

Collect vat samples from vats

1-14, 19-32, and 37-54 -

(excluding vats #4, 28, and 29 which are empty.)

1815- TAT, ERCS, and OSC depart site -

TAT to return to warehouse to pick-up
equipment -

1915- Report warehouse for home -

Hi-Tech Plating

4-7-90, Saturday

DB 0004-02

- 700 - Arrive at warehouse to picking Suburban loaded with equipment. Report to office to pick up sample bags.
- 745 - Arrive at office to pick sample paperwork.
- 730 - Depart to site in Suburban to transport equipment.
- 800 - Arrive at site. ERCS personnel present at site = Jessie Hicks, Rogellis Cabellero, Leo Tristan, Jackie Hill, Roe Shanner, Randy Antalone, David Brinkleyer. OSC onsite = P. Hammack
- Plan activities: Continue sampling vats and drums in warehouse - composite and haircut samples. Conduct air and ERCS monitoring at site. Sample tracking - Level B in warehouse, Level C when handling samples. TAT H. hiscox onsite as PM and SSO.
- Weather = cool ($\sim 50^{\circ}\text{F}$), clear, sunny.
- 900 - Safety meeting = Level B in warehouse, watch when dragging hoses around chemicals spills. Watch for HCl and HCl inhalation / contact hazards. Drenching equipment with water / soap after use.
- 930 - ERCS crew (Cabellero, Hicks, Tristan, and Hesl)) in EZ to continue sampling vats with drumthives.
- 1015 - Arrive at office.
- 1045 - Crew exits EZ after finishing sampling vats.
- 1130 - Crew and TAT depart site for lunch.
- 1200 - TAT and ERCS return from lunch - OSC and Antalone, Shanner, Brinkleyer offsite for lunch. OSC Fisher onsite. Miran TB operating near side entrance. Instrument was zeroed in outside air. Instrument read 0.0 ppm - control in parking lot, read as much as 11 ppm near large vat, currently reading about 3.2 to 3.6 ppm near east end door by office building.
- 1230 - Crew in EZ to collect drum samples (Cabellero, Hicks, Tristan). Sample tag # for vat samples: 1195 below

4-7-90, YesterdayH-Tech06 1004-02

<u>Sample #</u>	<u>Tgs #</u>	<u>Su-pk #</u>	<u>Tg #</u>
<u>Vat #</u>		<u>Vat #21</u>	
" #1	6-063776	" 21	6-077052
" #2	6-063777	" 23	6-077152
" #3	6-063778	" 22	6-077033
" #5	6-063779	" 24	6-063802
" #6	6-063783	" 25	6-063504
" #7	6-063785	" 26	6-063400
" #8	6-063782	" 27	6-063844
" #9	6-063787	" 30	6-063812
" #10	6-063786	" 31	6-083804
" #11	6-063787	" 32	6-063813
" #12	6-063789	" 33	6-077055
" #13	6-063789	" 37	6-077054
" #14	6-067798	" 78	6-077055
#34	6-063817	#41	6-063814
#40	6-063415	#42	6-063414
#43	6-063807	#44	6-063809
#45	6-063404	#46	6-063805
#47	6-063806	#48	6-063803
#49	6-077031	#50	6-063807
#50	6-077060	#54	6-063800
51	6-077057	#52	6-077054

1230 - Monitor (HCO) put on b. T-ister when entering E3 -

1300 - OSC Hawmark offsite for day -

1400 - Crew exits E3 - ERCS Sharrow doing hazard control on vat samples collected yesterday
55 gallon drum samples -

Sample # Liquid/solid Tgs #

58	L	6-077205	55	L	6-077203
59	L	6-077204	60	L	6-077213
60	L	6-077204	61	L	6-077212
54	L	6-077202	62	L	6-077214

4-7-90 (Sat.)

H-Tech Platay

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~~EPA~~

<u>Sample #</u>	<u>L/S</u>	<u>tag #</u>	<u>Sample #</u>	<u>L/S</u>	<u>tag #</u>
43	L	6-077211	65	S	6-077098
44	L	6-077207	69	S	6-077097
65	L	6-077210	70	S	6-077096
64	L	6-077209	71	L	6-077095
67	S	6-077204	72	L	6-077094

1415 - Turned off MIRAN. Final reading was ~3.2 ppm reading for HCW -

MIRAN readings in command post office area were below or at 0.00 ppm -

1430 - ERCS crew (Tristam, Hill) in EZ -

<u>Sample #</u>	<u>L/S</u>	<u>tag #</u>
76	L	6-077076
73	L	6-077071
74	L	6-077073
75	L	6-077073
77	L	6-077090
83	L	6-077078
84	L	6-077043
88	L	6-077061
90	L	6-077079

1600 - ERCS crew exits EZ for the day -

The ERCS crew collected ^{approximately} 118 samples, 32 8-oz jars, 86 1/2-liter PE bottles, and approximately 92 drum thieves. were used by ERCS to sample the vats, drums and containers.

1635 - TAT, OSC, and ERCS depart site for day TAT to return to wher to leave o RT equipment and suburban

Andy New

16

5-29-90 Hitech Plating

1045 TAT Kaarlela arrived at site. Ridel crew, OSC currently working at site RM - Mike Keen - M. Munson, B. Nez, R. Dudley, G. Arnolie, R. Caballero, J. Rojas, R. Taguerg, L. Sharma, W. Wagner, 1100 joint TAT, ERCS safety meeting topics discussed:

cyanide gas concern is a major one do NOT mix acid/base follow bubbly system at all times when on-site.

1120 Meeting completed

1150 TAT walked perimeter of building with HCN monitor to check for fugitive HCN emissions. No readings detected around warehouse or in command post area.

1300 RM - Anzalone arrives on-site

1310 EPA-OCI - James Thompson on-site to meet with OSC. Gibratler - Marshall Weaver on-site to discuss transportation

1330 Fire Dept. on-site to run water lines to site

1415 water hookup completed

1515 (Community News - Marshall) Sprentall on-site to set up interview and pictures if possible 0900 hr. on 5-30-90 tentative interview

1600 emergency shower constructed, decon laid out

530-90

Hi-Tech Plating06-9004-02

700 - ERCS crew onsite: Mike King, RM. Joe Sharma, Chemist. Joe Rojine, Foreman, Wanda Wagner, Clerk, Mike Mansen, Field Clerk. Henry Wisenig TAT. Pat Hammack, OSC.

Proposed activities - Collect 10 vat samples for OCI, ERCS monitoring, photodocumentation, air monitoring.

715 - Additional ERCS crew onsite - Rosellie Caballero, Bob Nicholson, Dudley Roberts, Greg Arnold, Raphael Aquino, Randy Anzalone onsite.

720 - TAT Paula Pawlik and Dave Beeson onsite
to sample vats in Level B protection.

Vats selected to be sampled base on acid, basic pH, and cyanide content. Acid vats:
#2, 5, 7. Cyanides: #11, #12, #20

Cyanide vats: #10, #25, #47, #48 -

Safety meeting: Pawlik is SSO. Dr. Beeson -
is the sampler. Drum thieves used to collect
samples into 1-l polyethylene bottle. Hazards
include slip/fall, inhalation of cyanides, and
skin contact with highly acidic and basic liquids.
PPE is Level B with respirator with hood. Listener
to be standby man (also, PM for job). Careful
in collecting samples, be sure to tape up good.

830 - Beeson and Pawlik :- EZ to collect samples.
Hazard outside as standby man.

930 - Vat #7 is empty, replaced with vat #1 -

1000 - Beacon samples. Beeson and Pawlik offsite for day.
pH of samples checked -

Sample #	pH	Sample #	pH
1	13.5	12	12.0
5	0.0	20	12.0
2	0.0	25	13.0
11	13.0	47	14.0
10	14.0	48	14.0

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1035 - Packaging samples for shipment -

<u>Sample #</u>	<u>TGS #</u>	<u>Sample #</u>	<u>TGS #</u>
1	6-062433	20	6-062406
2	6-062407	25	6-062413
5	6-062401	48	6-062434
10	6-06244	47	6-062435

Chain-of custody to 6-04401.

Sample, tagged, sealed, wrap in bubble wrap,
put in ice chest with vermiculite material.

1130 - Aguirre and Roberts in EZ in Level B to
clean up inside warehouse. Rest of crew
is setting up decon station -

1230 - OSC and Ligenio, Wagner, Munson, Keene, and
TAT depart site for lunch.

1300 - Rest of crew departs site for lunch - OSC
and TAT return from lunch -

1400 - Crew returns from lunch. Continue
to erect decon station. Aguirre and
Roberts in level B in EZ to clean spills
and debris on the floor of the warehouse.
Samples shipped to -

EPA / NETC

Building 53 Denver Federal Ctr.
Denver, CO 80225

Case #65 Rob Attn: Eric Nottingham

1500 - Crew exits EZ for break -

1515 - Caballero and Aguirre in EZ to clean
debris and spills in wash (Level B).
Rest of crew taking shower on the EZ.

1530 - R. Arzalane departs site for day. Mike Phans
also offsite for day -

1600 - Caballero and Aguirre exit EZ - OSC and TAT,
Gharay, and Keene discussing pumping of

5-30-90

Hi-Tech Plastics

06-9004-02

vat waste streams to disposal truck -
Crew OSC and RCR decide to pump liquids into
bulk truck, and solid stream into polyethylene
drums.

1700 - TAT, OSC, and crew depart site -

TAT to depart to Fed-Ex to deliver samples

1730 - TAT arrives at Fed-Ex - Airbill # = 8695115752

1800 - TAT arrives at whse with suburban -

May 1994

5-31, 90 Thurs.

Hi Tech Hertz

706-8000#02

0630 - TAT at whse to pickup suburban and travel to site.

0700 - TAT arrives at site. Crew onsite: Wanda Wagner, Mike Munson, Roe Shanno, Mike Keane, Rogelio Caballero, Bob Nicholson, Joe Rojas, Greg Aranote, Rafael Aguero, Buddy Roberts. OSC Pat Hammert onsite - Allstate Truck onsite for picking up cyanide wastes from vats. Proposed activities: Photo/document activity, pump out vats into vacuum truck, air monitor, EKCS monitoring.

720 - Safety meeting: Buddy system to be used in pumping out vats. If splashed with liquids need to decompress out quickly. Need to visgrade the floor covering when pumping out vats.

820 - Crew constructing storage for vacuum truck pump to more efficiently pump out vats.

900 - Roberts, Aguero, Shanno, Aranote, Rojas in EZ in Level B (circle with 5 min emergency baffle) to pump out vats. 804-2057 beeper for OSC. Crew putting visgrade over vat to reduce splash hazards and to prevent liquid from coming in contact with nearby vads.

930 - Pump down of vat #1 begins - Vats #6 and #10 have already been pumped down.

950 - Pump down of vat #1 completed.

1030 - Crew exits EZ. Vats #1, 6, #10, #31, 32 pumped down to almost completion.

1100 - Crew taking break and having meeting to discuss the safer procedures to pump down vats.

1720 - Vac truck #2 onsite - Benny and Luanne from Raftel onsite with a new Porta-Jon truck.

5-31-90, ThursHi-Tech Platony06-9004-02

- 1200 - Crew in EZ to continue pumping vats from into
~~2nd~~ ~~at~~ ^{new} truck for offsite disposal. ~~5-31-90~~
 Monitor detector showed readings of less than
 3 pp - during the pumpdown of the last vats.
 Prime equipment on-site with whse - fan.

1330 - TAT departs site for lunch.

1400 - Crew exits EZ for lunch. Vats # 14, 15
 25, 41, 47, 48 and drum #83 transferred
 into tanker, only sludge remaining.

Sludges remaining: #1 = 3", #6 = 1", #10 = 6"
 #14 = 6", #15 = 2", #25 = #1, #31 = 28"
 #32 = 3", #41 = no sludge #47 = 1", #48 = 2"

The tanker #7 was $\frac{3}{4}$ full or ~4,125 gallons
 (tanker #2 is 60% full or 2,730 gallons)
 Total is ~61855 gallons sucked from the
 caustic caustic vats into the vat trucks.

1415 - Crew cleaning hose :- Hose C - 74T returned
 from lunch at 1400 hours.

1430 - Vac truck #2 completed - Hose disconnect

1440 - Vac truck #2 departs site for Deer Park.

1445 - Crew except Ghurria departs site for lunch
 ✓ Beeson, TAT, on-site at 1430 hours to
 relieve Legere for rest of the day. Monitor
 Readings were 8-10 ppm for HCN during 2nd
 round of pumpdown. ~~5-31-90~~

Weather: overcast and hot, temperature in mid 90's,
 high humidity. wind calm, 0-5 mph out of south

1520 ERCS crew back on site

1530 Sharma departs site for lunch

1600 Sharma on site

1620 Crew into exclusion zone into vat to consolidate caustic
 sludge into one vat by pumping. ERCS moving hazard

Dot Bear

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5-31-90 (Thurs)

Hitech Plating

TOB-9004-02

- wood and talk ~~it~~ ^{about} out of exclusion zone (building) —
- 1630 TAT Liserio departs site, ERCS Crew in building ^{PCB} ~~to~~ ⁵⁻³¹⁻⁹⁰ consist of Rajellio/Cabral, Greg Arnolie, Rafael Aguirre, Dudley Roberts
ERCS is pumping cyanide sludge into Vat #1 —
- 1700 ERCS R. Sharmer begin setting up hasset station to make new composites for disposal company — PCB
- 1725 OSC Hammack informs TAT that present contractor (Gilbraffer out of Tyler Tx) does not meet Federal Labor standards and a new disposal contractor must therefore be obtained. — PCB
- 1730 ERCS crew out of exclusion zone, reported no readings above 10 ppm at HAN monitor ^{AB 5-31-90} —
- 1810 ERCS begins compositing sample for disposal company —
- 1820 ERCS begin securing site for the night — PCB
- 1900 ERCS Joe Ricos, Rajellio Cabral & Keen G. Arnolie, Rafael Aguirre, Robert Nichols, Dudley Roberts off site
- 1920 ERCS R. Sharmer, Lance Henderson cut- to ^{AB 5-31-90} building in level B to take additional samples for disposal company
- 1930 ERCS Wanda Wagner, Mike Munro depart site
- 1940 ERCS exit exclusion zone — PCB
- 2000 TAT BEESON departs site
- 2030 ERCS RM Mike, Rae Sharmer, Lance Henderson, OSC ^{PCB} ~~to~~ ⁵⁻³¹⁻⁹⁰ TAT Hammack depart site *LATE ENTRY*
Vat #1 (high cyanide sludge) will contain sludge from Vats # 1, 6, 10, 31, 32, 14

D. J. Baer

2-1-90

H. Tech Plating

706-9004-02

0645 TAT Beeson on site. Weather: heavy rain, expected high in low 90's, chance of thunderstorms this afternoon. Proposed Activity: While setting up new disposal contractor ERCS will consolidate like waste into vats and then clean empty vats. ERCS has arranged for a 4 day furnace for disposal composite sample analysis. TAT activities include contractor monitoring, photodocumentation and air monitoring using HCN monitor ~~do~~ (EPA# 696G15) and Miron 1B (EPA# T24) as per EPA directives.

0700 ERCS Crew on site. ERCS crew consists of Wanda Wigr, Mike Munson, Rohit Sharma, Joe Riojas, Rosilio Cabrallo, Mike Keen (RM), Greg Armotie, Rafael Aguero, Robert (Bob) Nicholson, Dudley Roberts, -

TAT duties will be performed outside exclusion zone in level Trip/slip/fall hazards - watch step, heat stress - drink fluids, fall breaks, Be aware of alarms on Monitor and Miron 1B -

0730 TAT Beeson sets up Miron 1B near east side of building. will take ~30 min readings for HCN.

0800 ERCS safety meeting and proposed work meeting

0910 RM Mike Keen and OX Hammock off site to pickup ~~sys~~

0915 ERCS crew of Rosilio Cabrallo, Rafael Aguero, Dudley Roberts, Bob Nicholson ^{Greg Armotie Aug 6, 71} begin to enter exclusion zone. Level B on air line. ERCS will begin consolidation of like fluids. ERCS Cabrallo will wear HCN monitor -

0930 ERCS crew continues to consolidate cyanide sludge into vat #1 -

Rain has stopped (around 0900) weather: cloudy and cool wind is out of the Southeast at 15 to 20 mph. Wind is producing ventilation from east to west out of building.

ERCS is using ~~the~~ a pulley system to tilt vats as they are pumping sludge out. ERCS will rinse ~~the~~ triple rinse vat as they are pumping and tilting it.

Alf Beeson

6-1-90

H-Tech Plating

T06-9004-2

1010 ERCS Cabelllo and Aquino out of exclusion zone

1025 ERCS Armitie, Nicholson, Roberts out of exclusion zone

~~*LATE ENTRY# ERCS Munson on site with air cylinders~~~~lots OSC Hammack, RM Keen on site with boards and additional supports for ERCS crew to make supports to put under vats yet to make a berm for the break area.~~ DAB

1200 ERCS begins to suit up to continue work in exclusion zone

1215 ERCS Armitie, Cabelllo, Roberts, and Aquino in exclusion zone

300-RGB

1305 ERCS crew discovers leak in vat 24 (pH/3), leaking from bottom. ERCS will put a sand berm around vat and then pump materials in a compatible vat. This is the third leaking vat discovered since 5-29-90 DAB

leak was a result of cap coming off vat as it was tilted to be pumped. ERCS is putting powersorb pads on spill to prevent spill from reaching parking lot.

1400 ERCS completes pumping out leaking vat into compatible vats DAB

1410 ERCS crew out of exclusion zone

1420 OSC Hammack, ERCS Keen and Sharma, TAT Beeson offsite for lunch DAB

1430 ERCS Armitie, Cabelllo, Roberts, Aquino, Riojas, Nicholson, Wagner offsite for lunch *late entry* AOB

1510 OSC Hammack, ERCS Keen and Sharma, TAT Beeson on site. New compressor on site. Additional adaptor needed, Representative will deliver at 0700 6-2-90 DAB

1530 ERCS crew back from lunch DAB

Fire Marshal Grant on site to see OSC Hammack DAB

ERCS crew unloads air bottles from pickup DAB

1540 ERCS crew begins securing site for the night DD

1600 ERCS crew Joe Riojas, Roelgio Cabelllo, Greg Armolie, Rafael Aquino, Robert Nicholson, Dudley Roberts offsite

Det Bess

6-1-90

High Tech Plating

TOS-9004-2

1610 TAT BEESON OFF SITE

DLB

DATE ENTRY: 1630 ERCS Wanda Wagner, Mike Munson off site

1730 ERCS Mike Keen (RM), Roe Sharma, OSC Hammack off site

leaking vat # 24 was successfully evacuated and pumped into Vat # 26.

After 1630 a leak of ~ pH 13 was discovered and contained within

containment system on south side of building

DLB

Air Monitoring results for 6-1-90 using Miran 1B (EPA# 704857)
position on east side of site - reading HCN in ppm — DLB

Time	HCN (ppm)	
0800	4.6	
0830	4.3	
0900	4.0	
0930	3.0	
1000	2.9	
30+100 ⁰⁰	3.4	
100+130 ⁰⁰	3.7	
130+1200 ⁰⁰	4.3	
200+230 ⁰⁰	4.4	
130+300 ⁰⁰	4.3	
130+330 ⁰⁰	5.0	- pumping vat near (w) of Miran 1B location
130+410 ⁰⁰	6.6	- leaking vat discovered
145+510 ⁰⁰	8.3	
150+530 ⁰⁰	6.3	
150+660 ⁰⁰	8.6	
1600	8.9	

DLB

ERCS crew reported no reading above 10 ppm by HCN monitor — even
AT Meeting with Fire Marshall Grant OSC and RM discussed the availability
of EM technicians from fire dept. to provide worker heat stress monitoring*L. D. Beem*

6-2-90

High Tech Plating

TOB-9004-2

0700 TAT Beeson on site. Already on site ERCS Mike Keen (RM)

Roe Sharma, Joe Rios, Rogilio Carbuello, Greg Armolie, Rafael Aguirre, Robert Nicholson, Dudley Roberts, Nanda Wagner, Mike Munson on site

DSL Pat Hammock on site, Port-a-johns blown over by wind during night.

0710 TAT BEESON sets up Miran 1B in east side of building

0730 ERCS safety meeting and proposed work meeting.

Proposed work (1) clean floor, (2) consolidate high HCN sludge

(3) remove empty triple rimmed vats, (4) reinforce south containment system

Weather: warm ~75°, expected high in 90's, wind 10-20 mph out of the

south southeast, 30% chance of thunder storms

TAT work schedule is to contract monitor, photodocument and

Air monitoring using Miran 1B, HCN monitor as per EPA directives

TPT safety meetings - TAT duties will be performed outside of exclusion zone

in level A trip/slip/fall - wear footgear, wear bootstrap if necessary, Avoid contact

with contamination, Be Alert for air monitor alarms, heat stress -

drink fluids/tube breaks,

0750 - ERCS begins work after safety meeting

ERCS will begin to clean floor of building

0830 - ERCS Rogilio Carbuello, Greg Armolie, Rafael Aguirre, Dudley Roberts,

enter exclusion zone

^{DB}

Robert Nicholson enter exclusion zone

New Compressor is a Sulair 375Q, CIN 200272 RTX, Inv # 915296

Wind from the south south east is resulting in good ventilation in building

0930 ERCS crew continues to clean floor of building. Greg Armolie is

wearing HCN monitor

Weather: partly cloudy, warm and humid, temp ~88, wind 10-20 out of SSE

ERCS Robert Nicholson out of exclusion zone

0935 rest of ERCS crew out of exclusion zone

1005 Southwestern Bell telephone Company representatives on site

to install new phone lines

1020 pH of liquid contained in dikes on the south side of building

is 1 to 2, suggesting that another vat (acid) leaked

HJB

6-2-90

High Tech Plating

T06-9004-2

This is the 4th leaking vat since 5-29-90 — ours
1030 ERCS crew in exclusion zone to continue work on floors and
attempt to discover which acid vat is leaking. —
1100 Vat #8 was the leaking vat. ERCS checked pH for compatibility
and are pumping Vat #8 into Vat #7. Approximately 1 foot of
liquid in Vat #8. Joe Riosas is in exclusion zone, Robert Nicholson
is outside exclusion zone supporting crew. ERCS has designated
two triple rinsed vats to contain and separate basic debris
from acidic debris. —

1110 TAT BEGGIN OFF SITE TO BUY FASTER FILM

1120 TAT BEGGIN ON SITE

1130 ERCS crew out of exclusion zone

1145 Southwestern Bell crew offsite after installing 2 new lines and 1 FAX line
New phone # ① 214-216-0739

② 214-216-0756

③ FAX 214-216-0292

1200 ERCS crew begins suiting out to reenter exclusion zone — ours

1220 ERCS crew into exclusion zone; Personnel in are Regilla Colon
Patricia Aguayo, Greg Armolie, Audley Roberts

1300 approximately 7 yds of sand delivered to site for berm repair —

1310 LANCE HENDERSON ON SITE

1315 ERCS crew out of exclusion zone. Reported no readings
above 10 ppm on Monitor for HCN.

1345 ERCS crew begins repair work on berm and
removes some contaminated material from south side
of building and places in overpack drum —

LATE ENTRY previously noted transfer of material from
tank #8 to tank #7 did not occur. Leake from tank #8 was
from a valve which was repaired subsequently repaired —

1445 repair work on berm complete.

H-T-B

28

6-2-90

High-Tech Plating

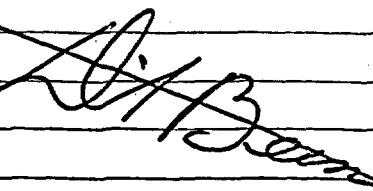
TOS-9004-2

Microm 1B HCN readings for ⁶⁻²⁻⁹⁰ in ppm - east side of building

time	HCN (ppm)
0730	6.0
0800	5.8
0830	5.5
0857	5.7
0930	4.6
1000	4.8
1040	4.6
1100	2.9
1140	2.6
1230	3.3
1300	3.8
1327	2.7
1400	2.8

PLS

1500 ERC's Mike Keen (RM), Wanda Wagner, Mike Munson, Joe Rajin
 Roselio Carchello, Greg Armolie, Rafael Agnew, Robert Nicholson,
 Dudley Roberts, DSC Hammack, TAT David Baeson offsite
 No site work is scheduled for 6-3-90 (Sunday)
 New compressor is not performing as expected, shuts
 off when crew uses it.



6-4-90 (Monday) HighTech Plating T06-G00r02

0645 TAT BEESON ON SITE

0650 ERCS Roselio Carbello, Rafael Aguero onsite in pickup truck

0655 ~~to~~^{as} ERCS Robert Nichols, Dudley Roberts, Joe Riejos, Greg Armolie on site

Weather: overcast, high humidity; expected highs in low 90's
wind is calm

TAT duties include contract monitoring, photodocumentation, air monitoring with Miran 1B as per EPA directives. TAT duties to be performed outside of exclusion zone in level B

Safety Meeting - slip/trip/fall - watch footing, be alert for miran and monitor x alarms (set at 10 ppm HCN), Avoid contact with contaminated materials and contaminants -

wear gloves and booties as necessary - Heat stress -
be alert for symptoms, drink fluids

0700 ERC Mike Keen, Rohit Sharma, Wanda Wagner, Mike Mansaronski
0710 OSC Hammack on site

TAT Beeson sets up Miran 1B (EPA# 724857) on east side of building

0730 ERC's safety meeting. Proposed work includes to
++ continue consolidating like materials into as few
of vats as possible, triple rinse empty vats,
pump liquids from drums into compatible vat(s), triple
rise drums. drums containing solids will not be disturbed.
ERCS is considering equipment need to remove clean empty
vats from building and placing on parking lot.
Mechanic to work on compressor is scheduled to
arrive on site this morning

0750 Compressor repairman on site

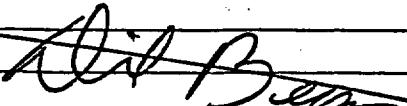
0810 ERCS Roselio Carbello, Rafael Aguero, Dudley Roberts, Greg Armolie in exclusion zone to continue cleaning of floors.

0825 Compressor repairman offsite. Compressor company's sending a 185 compressor until present lease compressor can be

Dal Baer

30

- 6-2-90 High Tech Plating TD6-9004-07
 repaired. 185 and additional hoses and supplies are estimated to arrive at 0930. — DSB
- 0850 ERCS Mike Munson on site with 10 bags Mortar mix - DCS
 ERCS crew in exclusion zone also rinsing empty vats — DCS
- 0915 ERCS crew out of exclusion zone — DCS
- 0930 ERCS crew begins suiting up to continue work in exclusion zone
- 0940 ERCS Mike Keen on site with new telephones for new line
 ERCS crew in exclusion zone. Same personnel as before
- 1000 replacement compressor on site — DSB
 compressor 10# 915237, compressor did not arrive with requested pump and air hoses — DSB
 compressor is a 375 to replace broken 375.
- 1040 ERCS crew out of exclusion zone — DSB
 * LATE ENTRY* Approximately 1015 old compressor offsite — DSB
- 1125 ERCS crew in exclusion zone, same personnel — DSB
- 1155 Additional pump and hoses on site — DSB
- 1245 ERCS crew out of exclusion zone — DSB
- 1345 ERCS crew in exclusion zone — DSB
 Vats 32 and 25 (sludges) pumped into DLB 6-4-90
 Vat #1 full of high CN sludge, the rest of high CN sludge is being pumped into Vat #32 ERCS
 Cleared Vat #31 and #25. — DSB
- 1500 ERCS Rigilio Cabellero, Joe Riosos, Greg Armolie, Rafael Aguero, Robert Nichols, Dudley Roberts, off site —
- 1530 ERCS Mike Keen, Mike Munson, Wanda Wagner, Roxanne TAT Beem, OSC Hammock off site



PHOTOLOG (continued) Camera-Nikon #724887 50mm lens 1:8 Nikon

date	roll	frame #	dir.	time	photographer / witness	description
4-90	2	21	W	1205	Bacon	ERCS crew rinsing vat
4-90	2	22	W	1305	"	vats
4-90	2	23	SW	1305	"	vats
<u>Roll 3 - ASA 400 24 exposures</u>						
5-90	3	1	W	920	Lisario	ERCS using hoist to raise vat
"	3	2	W	920	Lisario	ERCS using hoist to raise vat
"	3	3	N	9140	Lisario	ERCS pumping from vat into vat
"	3	4	N	11141	"	" " "
"	3	5	N	11142	"	" " "
"	3	6	SW	11144		Sand beam around liquid hose/spill
"	3	7	S	11145	↓	Compressor used for pumping vats
"	3	8	S	11150	Lewis/Hannink	Crew on top of vat #32 checking
"	3	9	SW	1710		Pan shot of vats in whse
"	3	10	SW	1712		
"	3	11	W	1715		
"	3	12	NW	1716		
"	3	13	NW	1717	↓	↓
4-90	3	14	SE	1040	Lisario	Crew pumping out vat #27 into
"	3	15	SE	1041	Lisario	vat #
7-90	3	16	SW	940	Lisario	Vat truck #1 from EM PK.
7-90	3	17	W	925	" "	Vat truck hose drying pumping
7-90	3	18	NE	925	" "	Crew pumping vat # into truck
7-90	3	19	SW	1101	" "	Vat truck #2 with caustic liquids
7-90	3	20	W	1102	" "	being pumped into crew on vat #27 being pumped into
7-90	3	21	SW	1120	" "	truck
7-90	3	22	S	1440	" "	Placards on 2 nd vat truck.
7-90	3	23	W	1440	" "	3 rd vat truck receiving mixed vat
7-90	3	24	W	1440	" "	MERCON set on will bldg.
7-90	3	25	W	1440	" "	" " "
11	4	A-S-A	F	100	24	Exposures
4-90	4	1	NW	690	Lisario	Crew pumping down into vats
4-90	4	2	NW	691	" "	" " "
4-90	4	3	S	1600	Hannink	Photo of ERCS employees

32

6-2-90

High Tech Plating

Miran 1B HCN reading in ppm for 6-2-90
 located on east side of building

time	HCN (ppm)
0850	3.2 crew out
0915	3.8
0930	3.7 crew in
1000	2.5
1030	1.4 crew out
1100	0.7 crew in
1130	1.3
1200	0.8
1230	0.8 crew out
1300	0.9
1330	2.0 - crew in
1410	4.6
1430	4.7 crew out

6-5-90, After Tuesday		time	HCN (ppm)
850	1.3 ppm	1700	0.0
915	1.0 ppm	1730	0.0
945	1.4 ppm		
1015	1.3 ppm		
1045	2.6 ppm 1.2 ppm out of EZ.		
1115	2.6 ppm crew in EZ		
1145	2.4 ppm		
1215	1.2 ppm		
1245	1.3 ppm crew out of EZ		
1315	0.2 ppm		
1345	0.1 ppm		
1415	0.0 ppm		
1530	0.0 ppm crew in EZ		
1600	0.0 ppm		
1630	0.0 ppm		

Hi-Tech Plating

6-5-90, Tuesday

06-9004-02

0620 - Hisco TAT arrives at whse to pick-up equipment and subcontractor. Report to site.

0650 - Arrive at site. RES crew on-site: Roe Sharrow, Mike K., Wanda ^{winner}, Mike Mason, Dudley Roberts, Rosellio ^{W.M.} Cabellero, Joe Riojas, Greg Arnolie, Raphael Aguero, Bob Nicholson. Weather = Hot, sunny, T = 75°F. Forecast is for mid-90's and hot, hot, hot.

Safety meetings: Be aware of splash hazards in EZ. Wear splash protection in EZ. Level B in EZ. Watch for tripplefull hazards. Decon shower working at EZ exit if splashes occur. OSC Xmark out.

Proposed activities: Continue to combine similar liquids into central units for easier disposal. Clean and rinse emptied units. Clean up spills on floors.

730 - Crew setting up decon shower and replacing air bottle

735 - Planning meeting. Plan to rent a forklift to move tanks. Continue to move sludges and liquids into one consolidated tank for disposal.

845 - Riojas, Arnolie, Aguero, Nicholson, and Roberts are in EZ to pump the contents of vats #47 and 48 into consolidated vat (Level B) #32 MIRAN set inside EZ by east wall to execute test. Monitor put on Raphael Aguero.

915 - Riojas exits EZ to check out diaphragm pump which is inoperable due to defects.

Monitor shows no reading above 0.0 ppm

945 - Crew puts screen on pump to enhance the pumping of vats and prevent breakdown.

Weather = Hot, 80°F, sunny, humid -

1015 - Crew exits EZ for break. Prime equipment person on-site to pick up pump and hoses.

1100 - Crew (Rioja), Nicholson, Roberts, Arnolie, Aguero in EZ to continue pumping of vats #47, 48
Very tired

H-Tech Plating6-5-90, TuesdayT06-9004-02

125 Indo vat # 32 -

1200 - Fire Chief, Bob Grant, arrives

1245 - Crew exits EZ for lunch -

Vat #25 cleaned out and contents pump
into the vat # 32 -1320 - Crew enters EZ. Decide to take lunch at
a later time. Continue to pump down vats
into consolidation vat # 32 -1420 - Crew exits EZ. Crew cleaned and rinsed
out vats #6, #10, and #38. Wastes consolidated
into vat # 37.

1430 - Crew and TAT depart site for lunch -

1530 - Crew and TAT return from lunch -

1545 - Crew (Cubellino, Nicholson, Penotis, Roberts, and
Agnello) in EZ to continue cleaning/ rinsing
vats. All vats are tripled rinsed. Vats
#14 and #15 are being worked on -1645 - Crew exits EZ for break. Vats #14
and #15 were rinsed (triple) and cleaned.1720 - Crew in EZ to clean debris, spills from floor
in Level C. Overall avg on MFRAN was 1-17 ppm
the avg was 5-2 ppm at 11:00 p.m. -

1800 - Crew exits EZ for day -

1830 - DSC and TAT depart site with crew.

1900 - TAT arrives at whie to leave off
Suburban for day.~~They live~~

Hi-Tech Plating6-6-90, WednesdayTOS-90-04-2

0630 - Arrive at whse to pick-up suburban and supplies
700 - Arrive at site - ERCS crew outside: Roe Sherman,

Wanda Wagner, Mike Keene, Mike Munson, Rogelio Caballero,
Joe Riojas, Raphael Aguirre, Bob Nicholson, Greg Amador,
Dudley Roberts. Proposed activities: ERCS monitoring,
air monitoring; vats to be consolidated, rinsed, and
cleaned. May have a vat truck to pump out liquors.

Weather: Hot, 80°F, humid - sunny -

730 - Safety meeting: Tiel 1B in hot zone. Watch
for slip/fall hazards. Be careful when mixing acids
and bases (don't mix). Toxic compounds include
corrosives and HCN which is skin-absorbent (TLV
of 5 ppm) and produces neurotoxicic symptoms
(convulsions, headaches, differently in breathing)

800 - Crew (Caballero, Roberts, Aguirre, Riojas, Nicholson)
in E7 to consolidate caustic vats, and triple-vat

930 - Crew exits E7 for break. Drums # 57, 75, 85
87, 84, 95, 74, 75, 76, 77, 86, 92, 93, 97, 101, 104,
108, 109, 110, 111, 113, and 114 put into vat # 17.

1000 - Crew enters E7 to continue to consolidate caustic
vats. The next ^{two} drums put into vat # 17 were
drums containing nuclear wastes. MTRAN cut
^{two} outside inside the building. Initial reading is 3.1 pp

Weather: hot, 82°F, humid, sunny & cloudy in

1130 - Crew exits E7. Caustic drums # 58, 90 put into
27. Vat # 12 pumped into vat # 26 also.

1200 - Crew enters E7 to continue to consolidate waste

1315 - Crew exits E7 for lunch.

1345 - Crew departs site for lunch. TAT also departed for
lunch.

1415 - TAT and crew return to site from [lunch]

1445 - Crew (Caballero, Roberts, Nicholson, Riojas, Aguirre)
in E7 to consolidate caustic vats

After lunch.

Hi-Tech Plating

6-6-97

TD6-9802-04

- 1530 - Fed-Ex person on-site to pick-up packages.
- 1610 - Crew exits EB - Vats #11 and #20 put into vat # 27. The emptied jars were triple rinsed, rinse water put into vat # 27 after cleaning.
- 1635 - Crew cleaning up area and getting ready for tomorrow's pumping activities.
- 1700 - Crew, TAT, OSC to port side for day.
- 1730 - TAT arrives at wharf to leave off suburban

~~dry of water~~

Hi-Tech Planting

MIRAN Readings

T06-900402

MIRAN Readings for HCW

Date	Time	Reading (ppm)	Date	Time	Reading (ppm)
6-6-90	1000	3.1	6-7-90	1730	0.0
6-6-90	1030	2.4	6-7-90	1800	-
6-6-90	1100	2.9	6-7-90	1830	-
" "	1130	2.6	6-8-90	1200	0.0
" "	1200	2.3	6-8-90	1230	0.0
6-6-90	1230	3.1	6-8-90	1300	0.0
6-6-90	1300	2.9	6-8-90	1330	0.0
6-6-90	1330	2.5	6-8-90	1430	0.0
6-6-90	1430	2.1	6-8-90	1500	0.0
6-6-90	1500	1.9	6-8-90	1530	0.0
" "	1530	1.4	6-8-90	1600	0.0
" "	1600	1.2	6-9-90	800	3.7
" "	1630	1.2	6-9-90	830	3.2
6-7-90	800	0.0	6-9-90	900	4.1
6-7-90	830	0.0	6-9-90	930	3.3
6-7-90	900	0.0	6-9-90	1000	2.7
6-7-90	930	0.0	6-9-90	1030	3.4
6-7-90	1000	0.0	6-9-90	1100	2.9
6-7-90	1030	0.0	6-9-90	1130	2.4
6-7-90	1100	0.0	6-9-90	1200	1.8
6-7-90	1130	0.0	6-9-90	1230	1.2
6-7-90	1200	0.0	6-9-90	1300	0.5
6-7-90	1230	0.0	6-9-90	1330	0.0
6-9-90	1300	0.0	6-9-90	1400	0.0
" "	1330	0.0	6-9-90	1430	0.0
" "	1400	0.0	6-9-90	1500	0.0
" "	1430	0.0	6-9-90	1530	0.0
" "	1500	0.0			
" "	1530	0.0			
" "	1600	0.0			
" "	1630	0.0			
" "	1700	0.0			

Hi-Tech Plating6-07-93, ThursT06-900002

- 630 - Arrive at whse to pick up gurburner and tool equipment for site.
- 705 - Arrive at site, Crew consists: Wende Wagner, Mike Keene (RM), Joe Riojas (Foreman), Rogelio Caballero, Raphael Aguirre, Roe Sharpe, Dudley Roberts, Bob Nicholson, Greg Anzalote. Proposed activities- Pumps into vat truck, three tanks of neutral liquids for disposal - Safety meeting - Don't lean over tanks when pumping liquids, beware of skin absorption. Misty of liquids may cause reaction which may liberate HCN. Avoid any skin exposed in whse while pumping.
- 720 - Crew (Caballero, Riojas, Roberts, Aguirre, Anzalote) in E7 to pump liquids (caustic) into vat # 27 -
- 840 - First vat truck arrives on site from Empack.
- 915 - Anzalote and Roberts exit E7. Rest of crew pumping vat # 6, 7 into tank.
- 945 - Riojas, Caballero, and Aguirre exit E7 for break. 1st truck departs site for disposal facility. Tanker to the 3/4's full.
- 950 - 2nd truck arrives onsite. Stainless steel truck to be filled with caustic liquids & cyanide.
- 1000 - Caballero departs site to pick up air bottles. Roberts, Nicholson, and Anzalote enter E7 to pump caustic (cyanide) out of the 2nd vat truck.
- 1115 - 2nd tank filled to $\frac{13}{16}$ full with caustic/cyanide liquids from vat # 27. Crew exits E7 for break.
- 1120 - 2nd tank departs site.
- 1140 - Aguirre and Riojas, Anzalote in E7 to inventory remaining full tanks and take pH.
- 1240 - Crew exits E7.
- 1300 - Crew and TAT depart site for lunch.
- 1400 - Crew returns from lunch (TAT also.)

Aug 1993

Hi-Tech Plating

06-07-90, 4 hours

TB6-7000-02

- 415 - Crew enters EZ to prepare for loading of 3rd vac truck with neutral wastes (carbon steel truck).
 520 - third vac truck arrives onsite. Crew starts to load third truck with neutral wastes.
 (crew is also transferring liquids into consolidated vat)
 520 - Crew finishes loading neutral wastes into vac truck
 Crew exits EZ (Roberts, Nicholson, Arnolie). Vats emptied were #3, 14, #17, 18, 19, 30, 36, 37, 38, 45, and 33. The caustic waste vats emptied on vac truck #2 were 11, 12, 20, 40, 49, 52, 53, and 27. 3rd vac truck departs site -
 555 - Caballero and Aguirre exit EZ.
 615 - Rogers, Roberts, and Arnolie enter EZ to continue to pump vats into one consolidated vat. Riojas to measure vats to insure proper waste calculations. Rest of crew to pump vats.
 635 - Caballero and Aguirre in EZ to pump vats.
 655 - Persons from Mesquite News onsite to ask OSE questions on previous site operator and owner. Refers newspaper reporter to Criminal Investigation for details on site operator. Talks to reporter on site background and previous investigation by CEREE and RCRA details and waste practices.
 740 - Aguirre, Caballero, and Arnolie exit EZ.
 800 - Crew packs up equipment - Departs site for 1805 - day - TAT departs to where to leave off suburban.
 1830 - TAT arrives at where to leave off suburban.

By Jim

Hi-Tech Plating

6-08-90, Fri.

TOC-9006-02

- 0630 - TAT arrives at whse to pick-up suburban -
- 0700 - TAT arrives at site from whse. Crew onsite = Rogelio Caballero, Joe Riojas, Raphael Aguirre, Greg Anolie, Michael Keene, Rob Sharroo, Bob Nicholson and Dudley Roberts. Proposed activities = Pump acid and caustic wastes into vac trucks - Continue to consolidate sludge into one waste-type unit, Ronnie Mayo also onsite for Radcal
- 710 - Sulfur monitoring = Avoid contact with skin. THU for HCl is 10ppm. Be sure not to mix acids with bases. Water monitor when pumping wastes.
- 715 - 1st Vac truck onsite.
- 730 - Crew enters E7 to pump caustic/cyanide wastes into vac trucks (Aguirre, Nicholson, Riojas, Roberts, Anolie) in E7. MIRAN set inside substrate near hot zone. Monitor put on ERCS personnel pumping units.
- 745 - Forklift onsite from Prime equipment.
- 835 - 1st Vac truck departs site. Crew exits E7 for break. Vac truck 3/4 full (~4000gals)
- 900 - Crew enters E7 to pump drums into truck.
- 950 - A plume of gas forms (smells like H₂S or SO₂) in the building including the office area when drum #79 is mixed in unit. The drum contains a bluish liquid (that may be sulfuric acid). MIRAN is inoperable due to gain error.
- 1000 - Crew exits E7 for temporary break.
- 1010 - 2nd Vac truck arrives onsite.
- 1015 - Crew enters E7 to pump acid vats into disposal truck.
- 1120 - Crew exits E7 for break.
- 1130 - 2nd unit truck departs site to disposal facility
May drums

Hitech Plating

6-05-90, Fri T06-2004-82

- 1200 - Crew enters EZ to pump drums into vat #2 and 5. MIRAN restarted and operable again.
- 1315 - Crew exits EZ for lunch - 2nd vat Y2 full.
- 1330 - TAT and crew depart site for lunch.
- 1430 - TAT and crew return from lunch.
- 1445 - Crew returns EZ to continue consolidating acid vats to ease pumping into vac trucks. Monitor put on Bob Nicholson. Previous reading was 20 ppm, the detector was wetted by liquid splash. MIRAN reading was still 0.0 ppm.
- 1600 - Crew exits EZ for break.
- 1630 - Crew enters EZ to pump vats into consolidation vat #3 (Aguero, Nicholson, Roberts, Knott).
- 1715 - Crew exits EZ for break and final cleanup. Tank (vat) pulled out of whre and placed in parking lot.
- 1800 - TAT, CSC, and crew depart site. TAT to depart to whre to leave off suburban equipment.
- 1830 - TAT arrives at whre - Depart for home. Approximately 4000 gals of acid and 2500 gals of caustic waste were taken off site.

By Jim

Hi-tech Plating6-9-90 Sat.TOB 2008-02

0630 - Arrive at whse to pickup suburban and equipment -

0700 - Arrive at site. 1st vac truck onsite -

Crew onsite: Mike Keene, Roe Sharrow, Wanda Wagner,
Joe Riojas, Rogelio Caballero, Raphael Aguirre,
Greg Aronoff, Bob Nicholson, Dudley Roberts.

0730 - Proposed activities: Pump acid wastes into
2 vac trucks ($\frac{3}{4}$ full = 4000 gals), and
caustic sludges into one vnt truck - Clean
and triple rinse the empty vnts and put
outside for scrap metal disposal -

Weather: Warm (80°F), sunny, clear -

Safety meeting: Insure that hoses are cleaned and
rinsed when going from acid to base pumping.

Be aware of equipment problems when taking
out vnts; be careful when lifting vnts.

745 - Crew enters E3 to load vac truck with sludges
(caustic type (Aronoff, Caballero, Aguirre, Roberts,
Riojas) and rinse vnts.

945 - Crew exits E3 for break. The truck (vat)
has difficulty in leveling load due to short
hose -

1010 - Aguirre, Caballero, Riojas in E3 to continue loading
sludge vac trucks. 2nd vac truck onsite
since 800 hours sti

1030 - Roberts, Nicholson, and Aronoff in E3 to start
pumping acid wastes. Sludge truck filled
to half capacity (~ 2500 gals).

1045 - Caballero, Riojas and Aguirre exit E3 -

1050 - 1st Sludge vac truck departs offsite with ~ 2500 gals of
sludge, caustic material -

1200 - 2nd acid waste truck departs. Approximately
4500 gallons of acid liquid wastes were pumped
into the truck - Caballero, Riojas, Aguirre
Navy Team

Hi-Tech Plating.

6-9-90, Sat.

TB6-9004-02

In EZ to raise out vats:

1230 - Nicholson, Roberts and Annotie enter EZ to pump
water into consolidated vats and move empty vats.
Vats remaining with acids: 26, 27, 35, 38, 5, 51, 52,
56,

1330 - Three more vats triple rinsed and cleaned and removed
from the whse to parking lot.

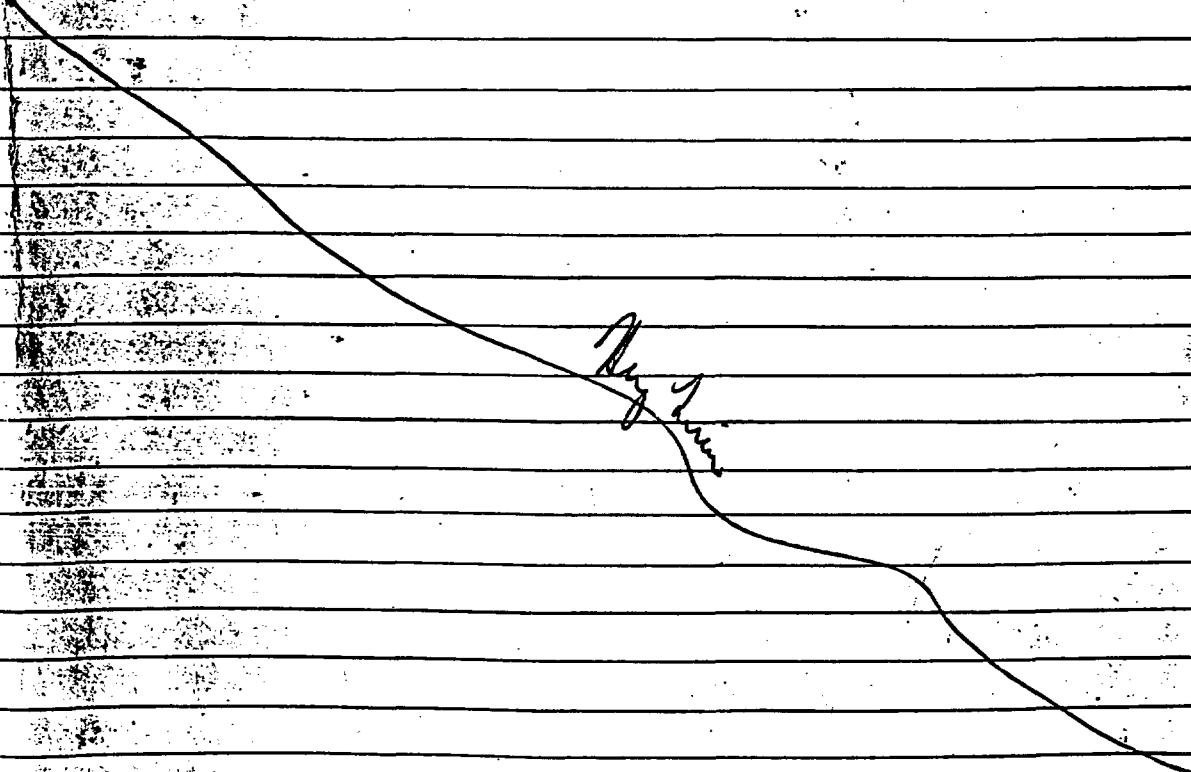
1400 - Crew exits EZ.

1430 - Crew enters EZ to consolidate sludges
and clean vats.

1500 - Crew exits EZ for day. 3 more vats
taken out of whse after being triple-rinsed
and cleaned into parking lot.

1600 - Crew and TAB depart off for day. TAB to
go to whse to leave off suburban with equipment

1630 - TAB arrives at whse. leave off equipment
and depart for home.



AB-3-H

Hi-Tech Plating6-10-90TOL-9004-02

- 0600 - Arrive at whse to pick-up equipment and supplies
- 0630 - TAT begins arrival at site. ERCS crew on-site
0600 hours: Mike Keene, Russ Roe Sherry, chemists;
Joe Rojas, foreman; Rosellio Caballero, Raphael Aguirre,
Bob Nicholson, Greg Annable, Dudley Roberts
- 0640 - Safety meeting: Do not get to close to walls,
rinse out hoses when switching from caustic
to acids, be aware of splash hazards.
- 0700 - Crew enters E-Z to pump caustic sludge into
vac truck. Vac truck + 1 onsite.
- 0730 - Crew exits E-Z for break. 3 additional outfitz
taken out of whse for supplemental loading.
- 1000 - Crew enters E-Z to continue pumping caustic sludges
into the vac truck. 2nd vac truck onsite.
- 1030 - Crew beginning to pump acids into vac truck at
the same time their pumping the caustic liquids.
- 1200 - Crew exits E-Z for break. Acid truck filled
to 7/8 full with acid wastes. Truck departs
site (2nd truck) for disposal facility. 1st
sludge truck still onsite.
- 1230 - Crew enters E-Z in Level C, PPE downgraded
after caustic sludge truck filled to 5/8
capacity.
- 1300 - Crew exits E-Z after cleaning hoses. Depart for
lunch. 1st truck departs site to disposal facility.
- 1400 - Crew and TAT return from lunch. 3rd and
final vat truck onsite. Crew enter E-Z
to load last vac truck with acid liquids
in level B.
- 1545 - Crew exits E-Z for day.
- 1600 - 3rd vac truck departs site for disposal
facility. Crew departs site for day. 1

By phone

H-Tech Plating

6-11-90 Mon

706-9004-00

- 700 - TAT arrives at site from whse. Crew onsite = Rogelio Cabellero, Joe Riosjas, Raphael Ayvano, Bob Nicholson, Dudley Roberts, Greg Annotie, Mike Keane, Wanda Wagner, Roe Shanna. Proposed activities = Clean and rinse vats, take out of whse for salvage, load debris/drumm. on roll-off box for disposal, clean floors.
- 720 - Safety meeting: Crew needs to be careful to pick up solids when moving vats, cleanup floors good and level c in E2.
- 730 - Crew enters E2 (Ayvano, Roberts, Annotie, Cabellero, Riosjas) to clean up vats, consolidate solid waste in drums. Weather = 75°F, sunny, clear.
- 900 - Crew exits E2 for break.
- 930 - Crew enters E2 to clean vats and pack debris for disposal.
- 1100 - Crew exits E2. 5 vats cleaned and taken out of whse. Pick-up truck onsite to pick-up 4 drums of waste, flammable liquids, and corrosive liquids.
- 1200 - Crew enters E2 at 1130 hours. Pickup truck departs site with drums. Photo taken of truck.
- 1300 - Crew exits E2 for lunch.

HCH readings (ppm) (6-14-90)

700 - 0.00 ppm	7:30 - 0.00 ppm	8:00 0.00 ppm
830 - 0.00 ppm	9:00 - 0.00 ppm	9:30 - 0.00 ppm
1000 - 0.00 ppm	1030 - 0.00 ppm	1100 - 0.00 ppm
1130 - 0.00 ppm	12:00 - 0.00 ppm	12:30 - 0.00 ppm
13:00 - 0.00 ppm	13:30 - 0.00 ppm	14:00 - 0.00 ppm
14:30 - 0.00 ppm	15:00 - 0.00 ppm	15:30 - 0.00 ppm
16:00 - 0.00 ppm	16:30 - 0.00 ppm	

- 1320 - Crew departs site for lunch (TAT also).
- 1420 - Crew returns from lunch. OSC, RM, and Shanna depart site for lunch - Crew enters E2 to clean vats and take out to parking lot for scrap metal disposal.
- 1540 - Crew exits E2. OSC and RM return from lunch at 1520 hrs.
- 1620 - Crew enters E2 to clean vats and move to parking lot.
- 1715 - Crew exits E2 for break.
- 1735 - Crew enters E2 (all six laborers) to clean vats by hand.

High Tech Plating 2017 Peach Tree Balch Springs Tx 75180

(214) 288-6168

OSC HAMMACKS BEEPER # 804-2057

NEW Numbers

214 - 216 - 0739

214 - 216 - 0756

(FAX) 214 - 216 - 0292

Roe's Mobile phone → (713) 542-5378

NIKON #724555 Photolog (cont) 50 minutes

Date	Roll	#	Front dir.	Line	Photographer	Description
6-8-90	4	4	S	1130	Hammack	Commece Post ee's
6-8-90	4	5	S	1131		
6-8-90	4	6	S	1132		
6-8-90	4	7	S	1133		
6-8-90	4	8	N	1735	Lisario	Vat in parking lot
6-8-90	4	9	N	1737	1	Cleanup of Vat bottom in parking lot
6-9-90	4	10	SE	800	Lisario	Crew rinsing concrete vat with H ₂ O
6-9-90	4	11	E	805	↓	Crew tying up for entry into EZ
6-9-90	4	12	NW	870	↓	Crew pumping vats and rinsing
6-9-90	4	13	NW	845	↓	" "
6-9-90	4	14	SW	1045	↓	Vat truck with concrete sludge
6-9-90	4	15	S	1047	Lisario	— bad photo
6-9-90	4	16	N	1355	↓	Cleaned vat in parking lot
6-10-90	4	17	W	1357	↓	Cleaned vat in parking lot
6-10-90	4	18	S	1400	↓	ERCS crew by cleaned vat
6-10-90	4	20	SW	905	vt	Vats in breaker for scrap metal
6-10-90	4	20	19	S	—	— Unknown photo b y OSC
6-10-90	4	20	19	S	—	" " "
6-10-90	4	22			Lisario	Acid and sludge flakes (vac)
6-10-90	4	23			↓	Crew pumping liquids
6-10-90	4	24			↓	Crew pumping liquids into vat truck
As P	10	0	Roll	# 5	76 exposures	
6-10-90	5	1-4	Exp	1600	Lisario	Pan of waste from upper deck

E & E Job Number _____

Telephone Code Number _____

Site Name Hi-Tech Plating

2017 Parktree

State/City Brown Springs, TX

TDD 06-9002-04

PAN ITX#100RFD

SSID _____

Start/Finish Date 6-11-90 / 6-13-90

Book 2 of 2

E & E Emergency Response Center: (716) 684-8940

2

Hi-Tech Plating

6-11-90 (mon)

T06-9004-02

- 1815 - Caw exits EZ for day.
1900 - Caw and TAT, OSC depart site, TAT to
office to leave off MIRAN for K Cluster
1930 - TAT departs office for home.

Hi-tech PlattingPhotos

T06-9004-02

Date	Time	Ref	Film #	Dir	Photographer	Description
6-11-90	1630	5	5	SE	Litario	Pickup with waste drums
6-11-90	1631	5	6	W	" "	" " " "
6-11-90	1650	5	7	SW	" "	Cleaned vats in parking lot
6-11-90	1720	5	8	SE	" "	Pump off whse after vats removed
6-11-90	1721	5	9	S	" "	" " " "
6-11-90	1722	5	10	SW	" "	" " " "
6-11-90	1730	5	11	SW	" "	" " " "
6-11-90	1731	5	12	S	" "	Crew rinsing vats in whse
6-11-90	1735	5	13	S	" "	" " " "
6-11-90	1740	5	14	S	" "	" " " "
6-11-90	1755	5	15	SE	" "	Crew moving vats to parking lot
6-11-90	1810	5	16	SE	" "	" " " "
6-12-90	840	5	17	SE	" "	Floor of whse after vats removed
6-12-90	851	5	18	S	" "	Crew cleaning up liquid wastes in
6-12-90	852	5	19	SE	" "	Northwest corner of floor
6-12-90	855	5	20	S	" "	Whse during final cleanup
6-12-90	903	5	21	SW	" "	" " " "
6-12-90	1255	5	22	EW	" "	Crew cutting up drums for disposal
6-12-90	1305	5	23	EW	" "	Crew cutting up drums for disposal
6-12-90	1307	5	24	S	" "	Debris piled in whse for disposal
6-12-90	1410	5	25	EW	" "	Crew loading debris into disposal truck
6-12-90	1500	5	26	-	-	Photo by GSC
" "	1845	5	27	S&E	Litario	Plain shot of whse
" "	1846	5	28	S	" "	" " "
" "	1847	5	29	SW	" "	" " "
" "	1850	5	30	SE	" "	Shot of whse
6-13-90	850	5	31	SE	" "	Whse floor after vats removed
6-13-90	851	5	32	S	" "	Plain shot
6-13-90	858	5	33	SW	" "	" " "
6-13-90	900	5	34	SW	" "	" " "

Key lines

4

Hi-Tech Plating

6-12-90 (Tue.)

T06900002

- 630 - TAT arrives at whse to pickup subcontract
and leave off equipment from site -
700 - TAT arrives at site. Crew onsite = Joe Rojas,
Rogelio Caballero, Raphael Aguirre, Ron Shumay, Mike Koenig,
Bob Nicholson, Greg Arnolie, Wanda (Wagner) Duley
Roberts. Proposed activities: Continue to clean
up vats for scrap metal disposal, load of soil
and debris material in roll-off box for disposal.
ERCS monitoring. Weather: sunny, clear,
78°F.

730 - Safety meeting: Wash water has high pH of 12-13,
avoid contact with skin. Be careful when moving
vats; stay clear of vats when moving with truck
or hatchet. Watch for physical hazards. Solidify
all liquid wastes which have acidic or basic
pH. Do not discharge directly into drainage.

800 - Crew (all six laborers = Aguirre, Caballero, Arnolie,
Roberts, Nicholson, Rojas) in EZ in Level B for
persons solidifying liquid wastes, Level C for
persons moving and cleaning emptied vats -
800 - Box from tank - offsite by Prime equipment:
Forklift - Wiggins, C/W 200232 RTX

915 - Caballero and Aguirre exit EZ for break -
930 - Roberts and Nicholson, Arnolie, Rojas exit EZ for break -
OSC has decided to pump all liquid wastes
on the floor into one vat and pump onto
vac truck for offsite disposal; instead of
trying to solidify and dispose in roll-off box -

1030 - Crew (Nicholson, Roberts, Arnolie, Aguirre, Caballero)
enter EZ to pump remaining liquids into vat #54
and rinse cleaned remaining vats.

1200 - Crew exits EZ for break.

1230 - Crew enters EZ to load roll-off box with
dry wastes

CCD

Hi-Tech Platings

06-12-80 (Tues)

T06-9004-69

crushed drums, solid waste debris, PUC piping, and other debris. Soil roll-off truck onsite.

1350 - Crew exits EZ for break -

1420 - Crew enters EZ (including Keene) to load debris into disposal truck. Sherman and O'Sullivan cutting up drums with chain saw for disposal. Solid waste is disposed of by hand.

Weather: Sunny, T = 45°F, clear.

1535 - Crew exits EZ for lunch -

1600 - TAT departs site for lunch.

1630 - TAT returns from lunch. Crew enters EZ to continue cleaning onsite and loading debris into trucks.

1745 - Crew exits EZ for break -

1800 - Crew enter EZ in modified Level D (booties) to load up sand onto disposal truck -

1900 - Crew still loading sand and debris into truck for disposal.

1930 - TAT departs site, ERCS crew still onsite.

2000 - TAT arrives at whse to leave off truck and equipment.

They know

Hi-Tech Plating

6-13-90 (wed)

TD6-9004-02

- 700 - Crew and TAT bussoco onsite. TAT dependent
whse at 0630 hours - crew onsite =
Rogelio Cabellero, Joe Rivas, Raphael Aguirre,
Bob Nicholson, Raphael Aguirre, Gary Harrold,
Mike Keene, Joe Shuman, Dudley Roberts -
Proposed activities = Rinse, cleaned vats for
scrap metal disposal. Pump remaining rinse
water liquids into vac truck for disposal.
Finish project removal today -
Weather = Clear, sunny, $T = 78^{\circ}\text{F}$.
- 720 - Safety meeting, use proper decom procedures
when exiting EZ. Be careful when moving
vats out of whse, stay clear when vats
are moved by backhoe and truck -
- 745 - Crew (Cabellero, Aguirre, Nicholson, Harrold, Roberts)
into EZ to move out and clean vats -
Wanda Wagner onsite from store.
- 905 - Crew exits EZ for break. Discuss report
for removal contents with OSC. OSC
wants to mention problems with Gibraltor
Disposal Co. due to the failure of the
Co. to meet Fair Labor Standards Act for your contract.
- 945 - Crew enters EZ to clean vats, take out to
parking lot for scrap metal disposal, and
pump rinse water into vat #54. Failure of
Gibraltor cause disposal costs to almost double.
- 1100 - Crew exits EZ for break.
- 1130 - Crew enters EZ to continue cleaning and moving
vats to parking lot. Level C PPE. Copper piping
from site - Wanda ^{May 1990} Chem-Waste Management
6-13-90 onsite called to inform OSC/TATL's that problem
with debris load because poly drums not cut
up or crushed properly.

Merry Green

Hi-Tech Plating

06-13-90

T06-9004-02

1230 - Chem Waste inform TAT that the drums cut in half was not sufficient, need to cut-up into small pieces; Chem-Waste is changing charges to cut-up drums into smaller pieces.

1245 - Crew exits E2 for lunch.

1300 - TAT and Crew depart site for lunch.

1400 - Crew and TAT ~~depart~~^{by 2:30} return to site from lunch.

1415 - Crew enters E2 & Level C to clean the last few vats, rinse all debris, and collect rinsate water in vat #54 (clarifier building) for offsite disposal. Crew also decontaminating the materials for demobilization.

Weather = hot, sunny, $T = 87^{\circ}\text{F}$.

1500 - Vac truck onsite to pickup final rinsate liquids from site for deep well injection.

1600 - Crew loading up vac truck for disposal.

1630 - Crew finishing loading rinsate into last truck.

Crew decontaminating from site and cleaning last vat remaining in whse, and clean standing water from warehouse floor.

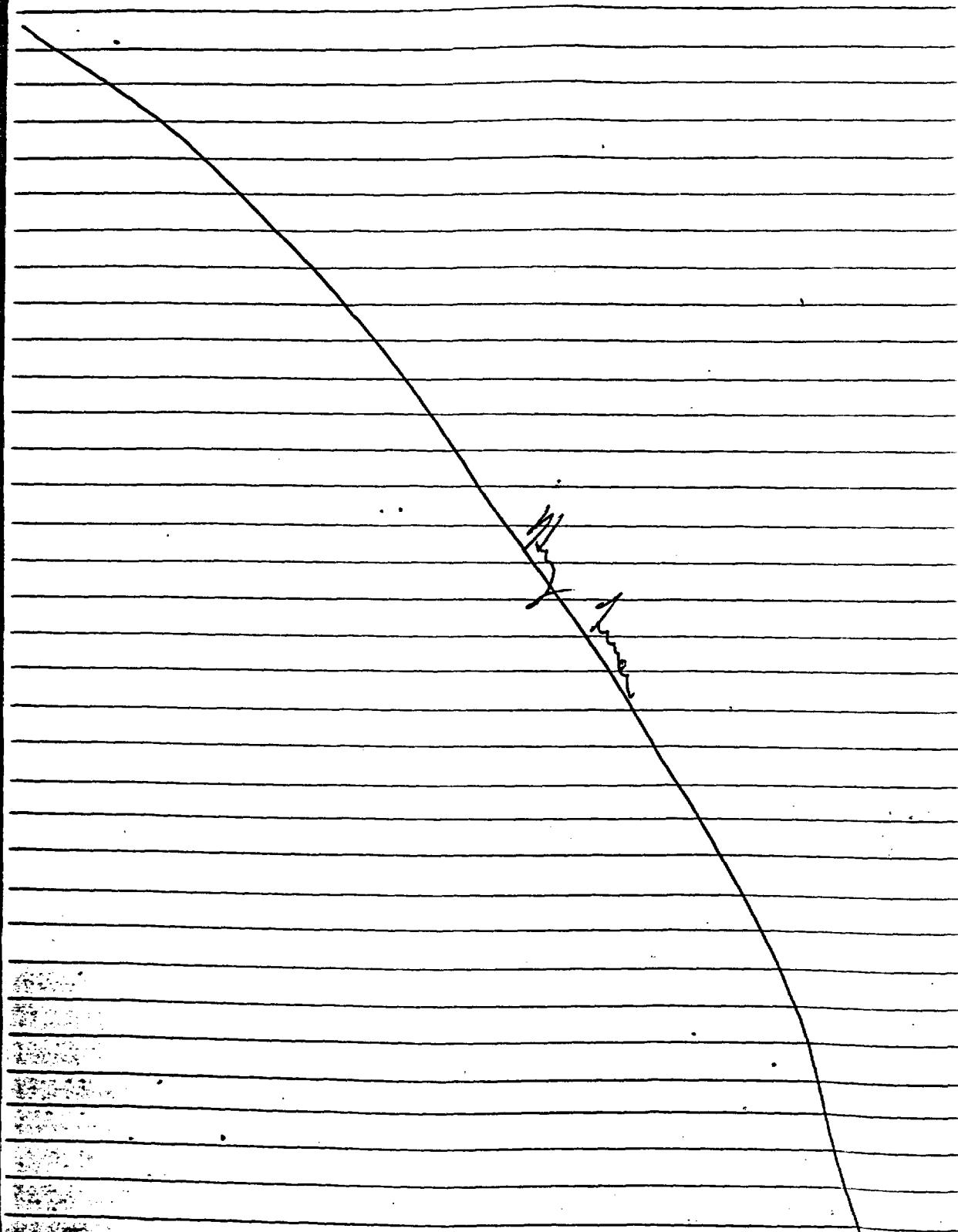
1635 - Vac truck departs from site. Truck filled only $\frac{1}{4}$ full (approximately 1100 gals).

1715 - Crew is collecting sludge wastes from floor with backhoe, putting into vat #54, and solidifying with cement - Crew will rinse down E200 entire floor with water, water discharge into sewer drainage.

1745 - Crew rinsing floor for last time.

1830 - Crew departs site for day. Riosas, Subello, and Aguirre to return tomorrow to do a final cleanup and return rental equipment.

1900 - TAT arrive at whse. The End
By hand



Hi-Tech PlatingPhotologTellographer

Date	Time	Roll	#	Frame	Dir	Photographer	Description
6-13-90	1430	6	1	W	Lisentz		ERCS crew in office
11 11	1435	6	2	W	" "		Vats in parking lot cleaned,
11 11	1505	6	3	W	" "		rinsed.
11 11	1510	6	4	W	" "		Cleaning of vat interior
11 11	1520	6	5	S	" "		" " "
11 11	1520	6	6	S	" "		Crew pumping siphonate on white
11 11	1520	6	7	W	" "		floor into vac truck.
11 11	1600	6	8	SW	" "		Crew rinsing white floor.
11 11	1605	6	9	E	" "		Crew pumping liquid out
11 11	1605	6	10	S	" "		Vac truck pumping vat
11 11	1640	6	11	S	" "		Crew decommissioning outside of hatch
11 11	1650	6	12	SE	" "		Crew scraping floor of white with
11 11	1730	6	13	S	" "		backhoe -
11 11	1735	6	14	SE	" "		Crew rinsing white floor
11 11	1810	6	15	S	" "		" " "
11 11	1810	6	16	SW	" "		" " "
11 11	1815	6	17	S	" "		" " "
11 11	1815	6	18	SE	" "		outside area of white, east end
11 11							" " "

TARGET SHEET

SITE NAME: HIGH-TECH PLATING

CERCLIS I.D.: TXD174127407

TITLE OF DOC.: TECHNICAL DIRECTION DOCUMENT T06-9004-02

DATE OF DOC.: April 5, 1990

NO. OF PGS. THIS TARGET SHEET REPLACES: 1

SDMS #: 174773 **KEYWORD:** 91.03

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ALTERN. MEDIA ? **CROSS REFERENCE ?**

LAB DOCUMENT ? **LAB NAME:** _____

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CASE #: _____ **SDG #:** _____

COMMENTS : _____
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